

High Performance Plastics – A Global Market Overview

“The report reviews, analyzes and projects the global market for High Performance Plastics - Fluoropolymers (PTFE, FEP, PVDF, PVF, PFA, ETFE, ECTFE, PCTFE), High Performance Polyamides (PA11, PA12, PA46, PA9T, PPA, PARA/PAMXD6), Sulfone Polymers (PSU, PPSU, PESU), Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone for the period 2012-2022.”

Published: November 2016

Report Code: CP011

Pages: 560

Charts: 642

Price: \$6300 Single User License, \$9900 Enterprise License

SUMMARY

High performance plastics are used in applications demanding higher requirements than standard and engineering plastics because of their high strength, good chemical resistance, low coefficient of friction, performance at high temperatures, high quality electrical resistance. Major demand driver for the consumption of high performance plastics is the metal and other low performance materials replacement in demanding applications such as automotive, aerospace, electronics and medical, where high temperature resistance and strength is required. In the automotive & transportation industry including aerospace, growth is supported by metal replacement to reduce weight, while thinner and smaller components in electrical & electronics.

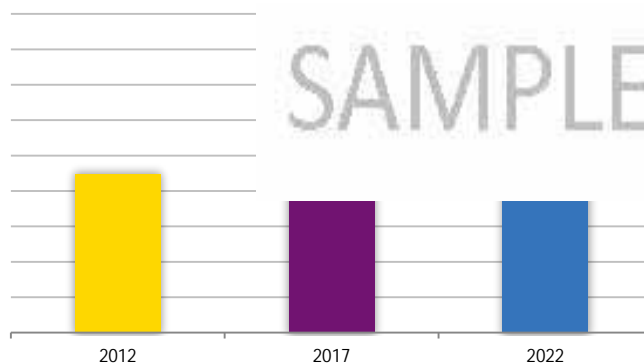
This global report analyzes the high performance plastics comprising Fluoropolymers (PTFE, PVDF, FEP, PCTFE, PFA, PVF, ECTFE and ETFE), High Performance Polyamides (PA 11, PA12, PA 46, PA 9T, PPA and PARA), Sulfone Polymers (PESU, PSU and PPSU), Polyphenylene Sulphide (PPS), Liquid Crystal Polymers (LCP), Polyetherimide (PEI) and Polyetheretherketone (PEEK). The study also analyzes the key end-use sectors of high performance plastics including Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Others (such as Medical etc.).

The global markets for the above-mentioned plastic types and end-use sectors are analyzed in terms of volume in metric tons and value in USD for 2012-2022 analysis period. The global market for High Performance Plastics is segmented into four major regions namely, the United States, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 8 more independent countries across Europe – France, Germany, Italy and the United Kingdom; Asia-Pacific – China, India, Japan and South Korea. The market is analyzed in all of these major regions by key countries and by major end-use sectors in terms of both volume and value. This report also provides the comprehensive market analysis of each High Performance Plastics type by end-use sector. The global market for High Performance Plastics is likely to maintain a moderately faster, compared to volume consumption, CAGR of 6.1% during the same period and reach a projected US\$15.9 billion by 2022 from a forecast US\$11.15 billion in 2016.

Fluoropolymers are the most widely consumed High Performance Plastics on a global basis, forecast to be 281.6 thousand metric tons (38% share) in 2016, which are anticipated to post the above average growth of CAGR of 6.1% between 2016 and 2022 and reach a projected 402 thousand metric tons by 2022. High Performance Polyamides are the second largest high Performance Plastics with an estimated share of 29.3% (217.4 thousand MTs) in 2016 followed by Polyphenylene Sulphide (PPS) with a share of 16.4% (121.3 thousand MTs) in the same year. The report also examines the major global players for their production capacities by product type and location.

This 560 page global high performance plastics market report includes 642 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 33 key global players and 21 major players across Japan – 4; China – 16; and India – 1. The research also provides the listing of the companies engaged in manufacturing, compounding and processing of high performance plastics. The global list of companies covers the address, contact numbers and the website addresses of 414 companies.

Global High Performance Plastics Market Analysis (2012-2022) in Value (USD Million)



SAMPLE COMPANY PROFILE

ARKEMA GROUP (FRANCE)

420 rue d'Estienne d'Orves
92 700 Colombes
France
Phone: 33 (0)1 49 00 80 80
Fax: 33 (0)1 49 00 83 76
Website: www.arkema.com

Business Overview

Arkema Group is a leading global manufacturer and provider of specialty chemicals that operates three business segments, viz., High Performance Materials, Industrial Specialties and Coating Solutions, which offer well-known brands. The High Performance Materials unit offers Specialty Adhesives (Bostik), Technical Polymers (Specialty Polyamides and Fluoropolymers) and Performance Additives (Filtration and Adsorption/CECA, Organic Peroxydes and UV Curing Resins/Sartomer), while the Industrial Specialties unit's products include Thiochemicals, Fluorochemicals, PMMA (Altuglas International) and Hydrogen Peroxides. Coating Solutions offered by Arkema include Acrylics, Coating Resins and Additives (Coating Resins, Rheology Additives/Coatex). Technical Polymers include two subdivisions, viz., specialty polyamides used in the automotive, aerospace and aeronautics, oil, electronics and consumer goods (sports and cosmetics) industries, as also in producing hotmelts, and polyvinylidene fluoride (PVDF) used in chemical engineering, manufacturing paints and anti-corrosive coatings, oil and gas extraction, photovoltaic panels, lithium-ion batteries, and membranes for water treatment.

Product Portfolio

Arkema Group offers two types of high performance plastics – specialty polyamides such as PA10, PA11, PA12 and fluoropolymer polyvinylidene fluoride (PVDF).

- Kynar® and Kynar Flex® PVDF resins, fine powders, Kynar® Aquatec® PVDF emulsions, Kynar® PVDF foams and Kynar® PVDF polymer processing additives
- The specialty polyamides product line offered by the group encompasses high performance polyamides such as Rilsan® PA 11, Rilsamid® PA 12, Rilsan® T PA 10.10, Rilsan® HT PPA, Rilsan®S PA 6.10 and Hiprolon® PA 6.10, PA 6.12, PA 10.10, PA 10.12.

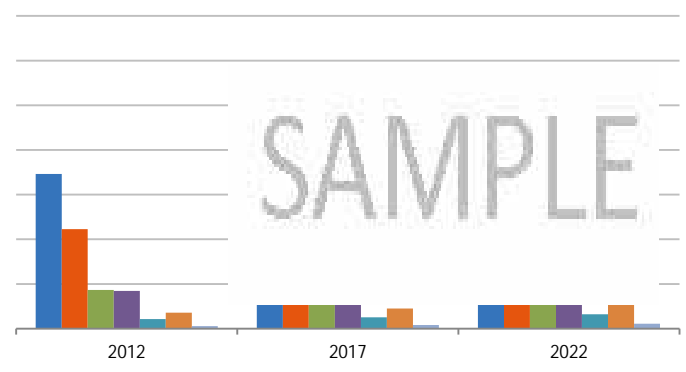
.....*more*

SAMPLE TABLE/CHART

Glance at 2017 Global High Performance Plastics Volume Market Share (%) by Global Region - United States, Europe, Asia-Pacific and Rest of World



United States High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons



KEY PLAYERS PROFILED

- 3M Company
- Arkema Group
- Asahi Glass Co Ltd
- BASF SE
- Celanese Corporation
- Daikin Industries Ltd
- DIC Corporation
- E. I. Du Pont De Nemours and Company
- EMS-Chemie Holding AG
- Evonik Industries AG
- Honeywell International Inc.
- Kureha Corporation
- Mitsui Chemicals, Inc.
- Royal DSM N.V.
- Saudi Basic Industries Corporation (SABIC)
- Shanghai 3F New Material Co Ltd
- SK Chemicals Co Ltd (INITZ)
- Solvay SA
- Sumitomo Chemical Company, Limited
- The Chemours Company
- Toray Industries, Inc.
- UBE Industries, Ltd.
- Zhejiang Juhua Co Ltd

.....*more*

TABLE OF CONTENTS

PART A: GLOBAL MARKET PERSPECTIVE 1

1. INTRODUCTION 1

| | |
|--|----|
| Chart 1: Global High Performance Plastics Market 2012, 2016 and 2022..... | 1 |
| Chart 2: Global High Performance Plastics Market 2016 and 2022 by Geographic Region..... | 2 |
| Chart 3: Global High Performance Plastics Market 2016 and 2022 by Plastic Type..... | 3 |
| 1.1 Product Outline..... | 4 |
| Figure 1: Plastics Performance Pyramid..... | 4 |
| Table 1: Thermal Properties of High Performance Plastics..... | 5 |
| 1.1.1 High Performance Plastics Types..... | 6 |
| 1.1.1.1 Fluoropolymers..... | 6 |
| 1.1.1.1.1 Types of Fluoropolymers..... | 6 |
| Table 2: Fluoropolymers Types..... | 6 |
| 1.1.1.1.1.1 Polytetrafluoroethylene (PTFE)..... | 7 |
| 1.1.1.1.1.1.1 Structure and Properties of PTFE..... | 7 |
| Figure 2: TFE Polymerization..... | 7 |
| Table 3: Typical Properties of PTFE..... | 8 |
| 1.1.1.1.1.1.2 Production of Polytetrafluoroethylene (PTFE)..... | 8 |
| 1.1.1.1.1.1.3 PTFE Forms and Applications..... | 9 |
| 1.1.1.1.1.2 Fluorinated Ethylene Propylene (FEP)..... | 13 |
| 1.1.1.1.1.2.1 Structure and Properties of FEP..... | 13 |
| Figure 3: Preparation of FEP..... | 13 |
| Table 4: Typical Properties of FEP..... | 14 |
| 1.1.1.1.1.2.2 Production of Fluorinated Ethylene Propylene (FEP)..... | 14 |
| 1.1.1.1.1.2.3 FEP Forms and Applications..... | 14 |
| 1.1.1.1.1.3 Polyvinylidene Fluoride (PVDF)..... | 16 |
| 1.1.1.1.1.3.1 Structure and Properties of PVDF..... | 16 |
| Figure 4: Chemical Structure of PVDF..... | 16 |
| Table 5: Typical Properties of PVDF..... | 18 |
| 1.1.1.1.1.3.2 Production Processes of PVDF..... | 18 |
| 1.1.1.1.1.3.3 Applications and End-Use Sectors of PVDF..... | 18 |
| 1.1.1.1.1.4 Perfluoroalkoxy (PFA/MFA)..... | 23 |
| 1.1.1.1.1.4.1 Structure and Properties of PFA/MFA..... | 23 |
| Figure 5: Chemical Structure of PFA..... | 23 |
| Table 6: Typical Properties of PFA..... | 24 |
| 1.1.1.1.1.4.2 Production Process of PFA/MFA..... | 24 |
| 1.1.1.1.1.4.3 Applications and End-Use Sectors of PFA/MFA..... | 24 |
| 1.1.1.1.1.5 Polyvinyl Fluoride (PVF)..... | 26 |
| 1.1.1.1.1.5.1 Structure and Properties of PVF..... | 26 |
| Figure 6: Chemical Structure of PVF..... | 27 |
| 1.1.1.1.1.5.2 Production Process of PVF..... | 27 |
| Figure 7: Polymerization of VF..... | 27 |
| 1.1.1.1.1.5.3 Applications and End-Use Sectors of PVF..... | 27 |
| 1.1.1.1.1.6 Ethylene Tetrafluoroethylene (ETFE)..... | 28 |
| 1.1.1.1.1.6.1 Structure and Properties of ETFE..... | 29 |
| Figure 8: Chemical Structure of ETFE..... | 29 |
| Table 7: Typical Properties of ETFE..... | 29 |
| 1.1.1.1.1.6.2 Production Process of ETFE..... | 29 |
| Figure 9: ETFE Preparation Process..... | 29 |
| 1.1.1.1.1.6.3 Applications and End-Use Sectors of ETFE..... | 29 |
| 1.1.1.1.1.7 Ethylene Chlorotrifluoroethylene (ECTFE)..... | 30 |
| 1.1.1.1.1.7.1 Structure and Properties of ECTFE..... | 30 |
| Figure 10: Chemical Structure of ECTFE..... | 30 |
| Table 8: Typical Properties of ECTFE..... | 30 |
| 1.1.1.1.1.7.2 Production Process of ECTFE..... | 31 |
| Figure 11: ECTFE Preparation Process..... | 31 |
| 1.1.1.1.1.7.3 Applications and End-Use Sectors of ECTFE..... | 31 |
| 1.1.1.1.1.8 Polychlorotrifluoroethylene (PCTFE)..... | 33 |
| 1.1.1.1.1.8.1 Structure and Properties of PCTFE..... | 33 |
| Figure 12: Chemical Structure of PCTFE..... | 33 |
| Table 9: Typical Properties of PCTFE..... | 33 |
| 1.1.1.1.1.8.2 Production Process of PCTFE..... | 33 |
| Figure 13: CTFE Polymerization Process..... | 33 |

| | |
|--|----|
| 1.1.1.1.1.8.3 Applications and End-Use Sectors of PCTFE..... | 34 |
| 1.1.1.2 High Performance Polyamides..... | 34 |
| 1.1.1.2.1 Polyamide 11 (PA 11)..... | 35 |
| Figure 14: Chemical Structure of Rilsan PA 11..... | 35 |
| Table 10: Properties of Polyamide 11..... | 36 |
| 1.1.1.2.1.1 Applications of Polyamide 11..... | 36 |
| 1.1.1.2.2 Polyamide 12 (PA 12)..... | 37 |
| Figure 15: Chemical Structure of PA 12..... | 37 |
| Table 11: Properties of Polyamide 12..... | 38 |
| 1.1.1.2.2.1 Applications of Polyamide 12..... | 38 |
| 1.1.1.2.3 Polyamide 46 (PA 46)..... | 39 |
| Figure 16: Chemical Structure of PA 46..... | 39 |
| Table 12: Properties of Polyamide 46..... | 40 |
| 1.1.1.2.3.1 Applications of Polyamide 46..... | 40 |
| 1.1.1.2.4 Polyarylamide (PARA) or Polyamide MXD6 (PA MXD6)..... | 41 |
| Figure 17: Chemical Structure of PA MXD6..... | 41 |
| Table 13: Properties of Polyarylamide (PARA)/PA MXD6..... | 41 |
| 1.1.1.2.4.1 Applications of Polyarylamide..... | 42 |
| 1.1.1.2.5 Polyphthalamide (PPA)..... | 42 |
| Figure 18: Repeating unit of Polyphthalamide (PPA)..... | 42 |
| Figure 19: Chemical Structure of Terephthalic acid (TPA) & isophthalic acid (IPA)..... | 42 |
| Figure 20: PPA's 6T-Segment..... | 43 |
| Figure 21: PPA's DT-Segment..... | 43 |
| Figure 22: Chemical structures of three common PPAs..... | 43 |
| Table 14: Selected Properties of Polyphthalamides..... | 44 |
| 1.1.1.2.5.1 Applications of Polyphthalamides..... | 44 |
| 1.1.1.2.6 Polyamide 9T (PA9T)..... | 45 |
| Figure 23: Chemical Structure of Genestar PA 9T..... | 45 |
| Figure 24: Production Process of Genestar PA 9T..... | 45 |
| Table 15: Properties of Polyamide 9T..... | 45 |
| 1.1.1.2.6.1 Applications of Polyamide 9T..... | 46 |
| 1.1.1.3 Sulfone Polymers..... | 46 |
| 1.1.1.3.1 Polysulfone (PSU)..... | 47 |
| 1.1.1.3.1.1 Structure and Properties of PSU..... | 47 |
| Figure 25: Chemical Structure of PSU..... | 47 |
| Table 16: Properties of PSU..... | 47 |
| 1.1.1.3.1.2 Applications of Polysulfone..... | 48 |
| 1.1.1.3.2 Polyethersulfone (PESU)..... | 49 |
| 1.1.1.3.2.1 Structure and Properties of PESU..... | 49 |
| Figure 26: Chemical Structure of PESU..... | 49 |
| Table 17: Properties of PSU..... | 49 |
| 1.1.1.3.2.2 Applications of Polyethersulfone..... | 50 |
| 1.1.1.3.3 Polyphenylsulfone (PPSU)..... | 51 |
| 1.1.1.3.3.1 Structure and Properties of PPSU..... | 51 |
| Figure 27: Chemical Structure of PPSU..... | 51 |
| Table 18: Properties of PPSU..... | 52 |
| 1.1.1.3.3.2 Applications of Polyphenylsulfone..... | 52 |
| 1.1.1.3.4 Sulfone Polymers Synthesis..... | 52 |
| 1.1.1.4 Polyphenylene Sulfide (PPS)..... | 55 |
| Figure 28: Polyphenylene Sulfide (PPS) Chemical Formula..... | 55 |
| 1.1.1.4.1 Properties of Polyphenylene Sulfide (PPS)..... | 55 |
| Table 19: Performance Properties of PPS..... | 55 |
| Table 20: Comparison of Performance Properties of Select Commercial 40% Glass Fiber Filled PPS Grades..... | 56 |
| 1.1.1.4.2 Polyphenylene Sulfide (PPS) Product Types..... | 57 |
| Table 21: Comparison of Storage Modulus (E') Between Cross-Linked and Linear PPS..... | 57 |
| Figure 29: Comparison of Cross-Linked and Linear PPS..... | 57 |
| 1.1.1.4.3 Applications of Polyphenylene Sulfide..... | 57 |
| 1.1.1.5 Liquid Crystal Polymers (LCP)..... | 61 |
| 1.1.1.5.1 Types of Liquid Crystal Polymers..... | 61 |
| Figure 30: Types of Liquid Crystal Polymers..... | 61 |
| 1.1.1.5.2 Structure and Properties of LCP..... | 62 |
| Figure 31: Chemical Structure of Liquid Crystal State Generator..... | 62 |
| Figure 32: Conventional Design of Liquid Crystal Polymer..... | 62 |
| Figure 33: Chemical Structure of LCPs..... | 63 |
| Table 22: Classification Commercial Grades of LCP..... | 63 |
| Figure 34: Monomers used in the Synthesis of LCPs..... | 63 |

| | |
|--|------------|
| 1.1.1.5.3 Polymerization of Liquid Crystal Polymers..... | 63 |
| Figure 35: Standard Polymerization Process of LCP..... | 64 |
| 1.1.1.5.4 Applications of Liquid Crystal Polymers..... | 65 |
| 1.1.1.6 Polyetherimide (PEI)..... | 66 |
| 1.1.1.6.1 Structure and Properties of PEI..... | 66 |
| Figure 36: Chemical Structure of PEI..... | 67 |
| Table 23: Typical Properties of Ultem Polyetherimide..... | 67 |
| 1.1.1.6.2 Applications of Polyetherimide (PEI)..... | 67 |
| 1.1.1.6.3 Manufacturing Process of PEI..... | 68 |
| Figure 37: Ultem high temperature solution polymerization..... | 68 |
| Figure 38: Reaction of activated bisnitroimide monomer with bisphenoxide..... | 68 |
| 1.1.1.7 Polyetheretherketone (PEEK)..... | 69 |
| 1.1.1.7.1 Structure and Properties of PEEK..... | 69 |
| Figure 39: Chemical Structure of PEEK..... | 69 |
| Table 24: Typical Properties of Polyetheretherketone..... | 69 |
| 1.1.1.7.2 Manufacturing Process of PEEK..... | 70 |
| Figure 40: Synthesis of Polyetheretherketone..... | 70 |
| 1.1.1.7.3 Applications of Polyetheretherketone..... | 70 |
| 2. KEY MARKET TRENDS..... | 72 |
| 2.1 Medical Device Industry Fuelling Demand for Fluoropolymers..... | 72 |
| 2.2 Demand for PTFE to Gain Further Momentum from Products with Improved Properties..... | 74 |
| 2.3 New Energy Markets to Take PVDF in a Big Way..... | 77 |
| 2.4 Demands of Membrane Market Being Addressed by PVDF..... | 79 |
| 2.5 ETFE's Progress in Architectural Applications Gains Prominence..... | 80 |
| 2.6 Bright Opportunities for Fluoropolymers in the Radiant Solar Modules Market..... | 82 |
| 2.7 High Performance Polyamides Market Trends & Growth Drivers..... | 84 |
| 2.8 Sulfone Polymers Market Trends & Growth Drivers..... | 87 |
| 2.9 Auto Industry Acts as Bedrock for Propelling PPS Demand..... | 91 |
| 2.10 PPS Thermoplastics Usage Continue to Grow in Aerospace Industry..... | 94 |
| 2.11 Above Average Growth for PPS to be Driven by Filter Bag Industry in Asia-Pacific..... | 96 |
| 2.12 Liquid Crystal Polymers Market Trends & Growth Drivers..... | 98 |
| 3. INDUSTRY LANDSCAPE..... | 100 |
| 3.1 High Performance Plastics Production Capacities..... | 100 |
| 3.1.1 Fluoropolymers Producers and Production Capacities..... | 100 |
| 3.1.1.1 Polytetrafluoroethylene (PTFE)..... | 100 |
| Chart 4: 2015 Global Polytetrafluoroethylene (PTFE) Estimated Capacities (Metric Tons/Year) by Company..... | 100 |
| Chart 5: 2015 Global Polytetrafluoroethylene (PTFE) Estimated Capacities (Metric Tons/Year) by Country/Region..... | 101 |
| Chart 6: Polytetrafluoroethylene (PTFE) Producers' Plant-wise Production Capacities..... | 101 |
| 3.1.1.2 Fluorinated Ethylene Propylene (FEP)..... | 102 |
| Chart 7: 2015 Global Fluorinated Ethylene Propylene (FEP) Estimated Capacities (Metric Tons/Year) by Company..... | 102 |
| Chart 8: 2015 Global Fluorinated Ethylene Propylene (FEP) Estimated Capacities (Metric Tons/Year) by Country/Region..... | 102 |
| Chart 9: Fluorinated Ethylene Propylene (FEP) Producers' Plant-wise Production Capacities..... | 103 |
| 3.1.1.3 Polyvinylidene Fluoride (PVDF)..... | 103 |
| Chart 10: 2015 Global Polyvinylidene Fluoride (PVDF) Estimated Capacities (Metric Tons/Year) by Company..... | 103 |
| Chart 11: 2015 Global Polyvinylidene Fluoride (PVDF) Estimated Capacities (Metric Tons/Year) by Country..... | 104 |



Chart 12: Polyvinylidene Fluoride (PVDF) Producers' Plant-wise Production Capacities..... 104

3.1.1.4 Ethylene tetrafluoroethylene (ETFE)..... 105

Chart 13: 2015 Global Ethylene tetrafluoroethylene (ETFE) Estimated Capacities (Metric Tons/Year) by Company .. 105

Chart 14: 2015 Global Ethylene tetrafluoroethylene (ETFE) Estimated Capacities (Metric Tons/Year) by Country/Region..... 105

Chart 15: Ethylene tetrafluoroethylene (ETFE) Producers' Plant-wise Production Capacities..... 105

3.1.1.5 Perfluoroalkoxy (PFA/MFA) 106

Chart 16: 2015 Global Perfluoroalkoxy (PFA) Estimated Capacities (Metric Tons/Year) by Company 106

Chart 17: 2015 Global Perfluoroalkoxy (PFA) Estimated Capacities (Metric Tons/Year) by Country/Region..... 106

Chart 18: Perfluoroalkoxy (PFA/MFA) Producers' Plant-wise Production Capacities..... 106

3.1.1.6 Polychlorotrifluoroethylene (PCTFE) 107

Chart 19: 2015 Global Polychlorotrifluoroethylene (PCTFE) Estimated Capacities (Metric Tons/Year) by Company .. 107

Chart 20: 2015 Global Polychlorotrifluoroethylene (PCTFE) Estimated Capacities (Metric Tons/Year) by Country/Region..... 107

3.1.1.7 Polyvinyl fluoride (PVF)..... 107

3.1.1.8 Ethylene chlorotrifluoroethylene (ECTFE) .. 107

3.1.2 High Performance Polyamides Producers and Production Capacities 108

3.1.2.1 Polyamide 11 108

3.1.2.2 Polyamide 12 108

Chart 21: Global Polyamide 12 (PA 12) Installed Capacities by Manufacturer in Metric Tons 108

3.1.2.3 Polyamide 9T 108

3.1.2.4 Polyarylamide/Polyamide MXD6 109

Chart 22: Global Polyarylamide (PARA)/Polyamide MXD6 (PA MXD6) Installed Capacities by Manufacturer in Metric Tons..... 109

3.1.2.5 Polyamide 46 109

3.1.2.6 Polyphthalamide/Polyamide 6T 109

3.1.3 Sulfone Polymers Producers and Production Capacities 110

Chart 23: 2015 Global Sulfone Polymers Neat Resin Installed Capacity by Manufacturer in Metric Tons 110

Chart 24: Global Sulfone Polymers Neat Resin Installed Capacity by Country in Metric Tons..... 110

Chart 25: Global Sulfone Polymers Neat Resin Installed Capacity by Manufacturer and Country in Metric Tons. 110

3.1.4 Polyphenylene Sulfide Producers and Production Capacities 111

Chart 26: Global Polyphenylene Sulfide (PPS) Installed Capacities by Country in Metric Tons 111

Chart 27: Global Polyphenylene Sulfide (PPS) Installed Capacities by Manufacturer and Country in Metric Tons. 112

3.1.5 Liquid Crystal Polymer Producers and Production Capacities 113

Chart 28: 2015 Global Liquid Crystal Polymer (LCP) Installed Capacity by Manufacturer in Terms of Neat Resin and Compounds in Metric Tons..... 113

Chart 29: Global Liquid Crystal Polymer (LCP) Neat Resin Installed Capacities by Country in Metric Tons 114

Chart 30: Global Liquid Crystal Polymer (LCP) Neat Resin Installed Capacities by Manufacturer and Country in Metric Tons 114

3.1.6 Polyetherimide (PEI) Producers and Production Capacities 115

3.1.7 Polyetheretherketone (PEEK) Producers and Production Capacities..... 115

Chart 31: Global Polyetheretherketone (PEEK) Installed Capacities by Manufacturer and Country in Metric Tons. 115

Chart 32: Global Polyetheretherketone (PEEK) Installed Capacities by Country in Metric Tons 115

3.2 Key Global Players..... 117

3M Company (United States) 117

Arkema Group (France) 119

Asahi Glass Co Ltd (Japan) 121

BASF SE (Germany)..... 122

Celanese Corporation (United States) 123

Fortron Industries LLC (United States) 124

Daikin Industries Ltd (Japan) 125

DIC Corporation (Japan) 127

Dongyue Group Limited (China) 128

E. I. Du Pont De Nemours and Company (United States) . 129

Ems-Chemie Holding AG (Switzerland)..... 131

Evonik Industries AG (Germany) 133

Gujarat Fluorochemicals Limited (India) 135

Halopolymer OJSC (Russia) 135

Honeywell International Inc. (United States) 137

Jiangsu Meilan Chemical Co Ltd (China) 137

Kuraray Co., Ltd. (Japan) 138

Kureha Corporation (Japan)..... 139

Mitsubishi Gas Chemical Company, Inc. (Japan) 141

Mitsui Chemicals, Inc. (Japan) 143

Polyplastics Co., Ltd. (Japan) 144

Royal DSM N.V. (The Netherlands) 145

Saudi Basic Industries Corporation (SABIC) (Saudi Arabia) 146

Shanghai 3F New Material Co Ltd (China) 148

SK Chemicals Co Ltd (INITZ) (South Korea) 149

Solvay SA (Belgium) 150

Sumitomo Chemical Company, Limited (Japan) 153

The Chemours Company (United States) 155

Toray Industries, Inc. (Japan) 157

UBE Industries, Ltd. (Japan) 158

Victrex PLC (United Kingdom) 159

Zhejiang Juhua Co Ltd (China) 160

Zhejiang NHU Special Materials Co Ltd (China) 161

Zhonghao Chenguang Research Institute Chemical Industry (China) 161

3.3 Other Major Players..... 162

Changshu Xinhua Chemical Co., Ltd (China) 162

Chengdu Letian Plastics Co., Ltd (China)..... 162

China Lumena New Materials Corp. (China) 163

Fuxin Hengtong Fluorine Chemicals Co., Ltd. (China) ... 163

Guangzhou LiChang Fluorine Plastic Co Ltd (China)..... 164

Haohua Honghe Chemical Co Ltd. (China) 164

Hindustan Fluorocarbons Limited (India) 165

Jiangmen Youju New Materials Co., Ltd (China) 165

Jiangsu Huaao High-Tech Development Co., Ltd. (China). 166

Jilin Zhongyan High Performance Plastic Co., Ltd. (China) 166

Jinhua Yonghe Fluorochemical Co Ltd (China) 167

Jx Nippon Oil & Energy Corporation (Japan) 167

Kingfa Science & Technology Co., Ltd. (China) 167

Panjin Zhongrun High Performance Polymers Co., Ltd (China) 168

Shandong Huafu Fluoro-Chemical Co., Ltd (Jinan 3F) (China) 168

Shanghai Ofuorine Chemical Technology Co., Ltd (China) 169

Shanghai Pret Composites Co., Ltd. (China) 169

Shenzhen Wote Advanced Materials Co., Ltd. (China) .. 170

Tosoh Corporation (Japan) 170

Toyobo Co., Ltd. (Japan) 171

Ueno Fine Chemicals Industry, Ltd. (Japan) 172

4. KEY BUSINESS & PRODUCT TRENDS..... 173

Solvay Offered its Ryton® PPS for the Polimotor 2 Engine's Water Pump Components..... 173

Solvay Plans to Rise its Sulfone Polymer Production Capacity by 35 Percent..... 173

Celanese to Takeover SO.F.TER. Group 173

DIC's LP-150-LDS is the World's First PPS Compound Suited for 3D LDS 173

SkyTender Chose VICTREX™ PEEK Polymer for Use in its Mobile Drinks Dispenser 174

Shanghai Reach Developed Lighter, More Ergonomic and Highly Cost-Effective Spinal Surgery Instrument Kit Using Solvay's KetaSpire® PEEK and AvaSpire® PAEK 174

Kureha Renewed its PPS Business Alliance with Polyplastics 174

Establishment of BASF's New Ultrason® Polyarylsulfone Facility in Korea..... 174

New Single-Use Electrocautery Instrument for Adenoid and Tonsil Surgeries Used Solvay's Ixef® GS-1022 PARA Resin.... 174

Arkema Invested €10 Million to Broaden its Specialty Polyamides Production Capacities 175

DSM NHU's Xytron PPS Compounds Complemented DSM's High Temperature Performance Engineering Plastics Portfolio 175

VICTREX™ PAEK Polymers Used in the Development of COMAC's Jet ARJ21 Aircraft Floor Brackets..... 175

Sumitomo Chemical to Build Second Polyethersulfone (PESU) Plant in Japan 175

Impossible Objects to Produce PEEK-based Composite Parts Using New 3D Printing Process..... 175

Apollo Broadens its line of Extruded Microtubes for Healthcare Applications..... 176

Dacon Systems Selected Solvay's KetaSpire® PEEK for Hardest Wire and Cable Coating Applications 176

Construction of Sumitomo Chemical's Second Commercial PES Production Facility in Chiba..... 176

Nippon's Electric Wire Binding Bands Used Daicel-Evonik's VESTAKEEP-J ZV7801 PEEK Resin 176

Japan's First Injection-Molded ESD Bolts are the First to Use VESTAKEEP®-J PEEK Resin 176

Addition of Three Ryton® PPS Grades to Solvay's Product Line for Food and Beverage Use 176

World's First Integrated PPS Plant Sited in Gunsan City, Korea..... 177

Development of AvaSpire® AV-651 CF30 PAEK based Structural Components for Polimotor 2 Engine's Oil Pump Housing 177

AOI's PS-fit Resin Joints Utilized Daicel-Evonik's VESTAKEEP® PEEK Resin 177

Inauguration of New European PPS Technical Centre by Sun Chemical and the DIC Corporation..... 177

Solvay Offered its Ryton® XK-2340 PPS Reinforced Resin for the Polimotor 2 Engine's Fuel Rail 177

Extension of Pan-European Distribution Pact between Solvay and Biesterfeld Plastic 178

Solvay Broadened Deal with Nevicolor for Distributing the Complete Line of Ryton® PPS in Italy 178

Arkema and HP form 3D Printing Materials Development Pact 178

Toska-Bano'k Chose VESTAKEEP-J PEEK Resin to Develop Colored Tag Pins for Medical Laboratory Specimens ... 178

Nippon Chemical Adopted Daicel-Evonik's VESTAKEEP® PEEK Resin for Use in ANSI Bolts..... 178

DuPont Established its Largest Compounding Facility .. 178

Launch of Royal DSM's Stanyl HG1 for Frictional Torque Reduction in Automobile Engine Timing Systems 179

UUJ Signed an Exclusive Deal with Conventus to Meet Polysulfone Crisis in North America 179

The Largest and Longest Ever VICTREX® PEEK-based m-pipe® Subsea Intervention Line by Magma 179

Use of KetaSpire® PEEK in BGISEQ-500 Sequencer 179

Launch of Evonik's VESTAKEEP® Dental at MedTec Europe. 179

Solvay's Ultra High Performance, Aromatic Polyketones to Coat Optacore's OptaGuide HT™ Optical Fiber Systems . 179

Solvay Showcases Extensive Line of High-Performance Polymers for Electric Vehicle Battery and Battery Packs 180

Solvay Offered its Amodel® PPA for the Polimotor 2 Water Inlet / Outlet Application 180

Solvay's New Deal with ResMart to Distribute Eight Radel® PPSU Resin Grades 180

Solvay's TegraCore™ PPSU Foam Received Airbus Qualification 180

Toho Tenax Introduces New Polyethersulfone Impregnated Thermoplastic Textile Prepreg..... 180

China FDA Approval for Zeniva® PEEK 181

Solvay's New Deal with ResMart to Distribute KetaSpire® PEEK Resin Grades 181

Solvay Offered Zeniva PEEK® for Use in Instratek's ToeTac™ Implant..... 181

SABIC's ULTEM PEI Resin is a Material of Choice for ZoffSMART Glasses Frame 181

Polymem Develops Production Line for Hollow Fiber Membranes Made from Arkema's Kynar® 181

European Plastics Innovation Award received by Evonik's Resource Efficiency Segment..... 181

50% Rise in the Annual Production Capacity of Evonik's VESTOSINT® PA12 Powder..... 182

New Veradel® HC A-301 PESU for Challenging Healthcare Applications Unveiled by Solvay 182

Biorep Technologies Employed Radel® R-5000 PPSU to Enhance its Ricordi Chamber 182

Solvay's Veradel® HC A-301 PESU Used as an Alternative for PEI in ASTI's Sensors..... 182

| | | | | | |
|---|-----|--|-----|--|-----|
| Surface Dynamics Validated VESTAKEEP® PEEK for Titanium Coating Processes..... | 182 | AGC Introduces Fluon® LM-ETFE LH-8000 for New Applications..... | 189 | HuanTian to Use VICTREX® PEEK Valve Plates in Reciprocating Compressors..... | 197 |
| Invio in Collaboration with Maxx Orthopedics Developed PEEK-OPTIMA® Femoral Knee Replacement Technology.... | 182 | Arkema Launches Additional PVDF Polymer Process Aids ... | 190 | Evonik's VESTAKEEP® PEEK Used in the Production of High Precision One-Inch Sized Screws..... | 197 |
| Drake Plastics Enhanced its Product Line with the Addition of AvaSpire® PAEK Products..... | 183 | Instratek's STAPIX™ Staple Fixation System Components Molded Using Solvay's Ixef® 1022 PARA Resin..... | 190 | CE Mark for Osimplant's Cervical Expandable Bladed HA PEEK Cage Line of Spinal Implants..... | 197 |
| DuPont Tedlar Films to be Distributed by American Durafilm®..... | 183 | VESTAMID® HTplus M1933 PPA Outperformed Other Competitive Polymers with Outstanding Electrical RTI . | 190 | Arkema's New Grade of Kynar® PVDF Resin Launched . | 197 |
| New Line of Rilsan® Fine Powders Added to Arkema's Bio-based Polyamide Coating Powders Portfolio for Outdoor Furniture..... | 183 | Medical Illumination Used Solvay's Medical-Grade Polymers in its New MI-750 LED Lighting System..... | 190 | Strong Compatibility exhibited by Radel® PPSU based Instrument Trays with STERIZONE® VP4 Sterilizer..... | 198 |
| Establishment of DuPont's First Zytel® HTN Polymer Production Unit in Europe..... | 183 | Launch of Celanese® PPS Grades in Japan..... | 190 | Solvay to Raise Total PEEK Production Capacity to over 2,500 Metric Tons Globally..... | 198 |
| Selection of DSM's Stanyl® PA46 for Use in New Turbocharged Petrol Engine Components..... | 183 | VICTREX® PEEK 90HMF40 Replaced Aluminum in Making the Airbus A350-900 Aircraft Door Fitting..... | 191 | Victrex to Construct a Polymer Innovation Centre in Northern England..... | 198 |
| EMS-GRIVORY Offered Grilamid L20A HL NZ Special PA12 Grade for Ski Sports..... | 183 | Toyota MIRAI FCV Component Used Kuraray's GENESTAR PA 9T Resin..... | 191 | Launch of EMS-GRIVORY's New Grivory HT Products with Outstanding Hydrolysis Resistance..... | 198 |
| Industry's first PPS resin particles for powder bed fusion 3D printing developed by Toray..... | 184 | Evonik's VESTAMID® HTplus PPA Used in the Manufacture of HELLA Laser-Welded Actuator Housing Components | 191 | Ryton® PPS Acquired by Solvay..... | 198 |
| Production Capacity of Polyplastics' Facility in Malaysia Increased by 9,000 Tons..... | 184 | Launch of Evonik's VESTAMID® HTplus M1035 P1 for Automotive Use..... | 191 | Solvay Launched Xydar® MG-850 LCP to Meet the Demands of New 12-Gigabyte Connectors..... | 198 |
| BIOTEK Received CE Mark Certificate and Indian FDA Approval for its VESTAKEEP® PEEK-based Arthroscopy Implants..... | 184 | Solvay Signed a New Licensing Deal with RTP Company to Broaden the Supply of its Radel® R-7000 PPSU Resins to Global Aerospace Market..... | 191 | Infinity Joined Forces with LTL to Form Infinity LTL Engineered Compounds..... | 199 |
| Polimotor 2 Automotive Engine Project Selected Solvay's KetaSpire® PEEK for Oil Scavenger Line..... | 184 | 3M™ Dyneon™ Compound NST 1111R Launched..... | 191 | Karmed's Superfusion Line of Spinal Implants Granted with CE Mark..... | 199 |
| Arkema Expands Scope of Use for Patent-Pending Kynar® Foam Extrusion..... | 184 | The Chemours Company Spun Off from DuPont..... | 192 | RelaxBogen Developed a New Treatment Alternative for Bruxism and TMD..... | 199 |
| Arkema and PPG Celebrate Half a Century of Association ... | 185 | Solvay to Commence PVDF Production at its Chinese Plant by 2017..... | 192 | Solvay to Raise Ultra-Polymer Resin Production Capacity in India by 25%..... | 199 |
| Kureha Takes Over Kureha Battery Materials Japan..... | 185 | Solvay Specialty Polymers' ECTFE Resin Films Used in Amcor's Flexible Solar Front Sheets..... | 192 | New Semi-Rigid PEEK-OPTIMA® Polymer Based Spinal Rod Components Bridge Treatment Gap..... | 199 |
| Grivory HT2VS-HH, Novel range of High Heat Polyamides from EMS-GRIVORY..... | 185 | Acquisition of Kleiss Gears Enhanced Victrex's Potential to Offer Complete Integrated Solutions..... | 192 | Victrex to Open its £90 Million PEEK Production Unit in Early 2015..... | 199 |
| Valco Schalter und Sensoren GmbH Selected Evonik's VESTAMID® L1930 PA12 for the Gear Drive of the Steering Angle Sensor..... | 185 | Morphix Selected Solvay Radel® PPSU Resins to Replace Metals in its Tattoo Needle Grips..... | 192 | BoneBac® TLIF Spacer from Thompson MIS Received the US 510(k) Clearance..... | 199 |
| DSM Engineering Plastics Solidified its Position in the EMEA Market..... | 185 | Sumitomo Chemical Increases the Capacity of Polyethersulfone (PESU) at its Ehime Plant..... | 193 | New Invivio Trauma Device Technology based on PEEK-OPTIMA Ultra Reinforced Polymer for Healing Fractures.... | 200 |
| Strong Compatibility with Ford's New ULV 25 ATF Exhibited by Solvay High Performance Polymer Grades | 185 | Denroy Formed Pact with Bombardier and Victrex to Deploy its Brackets in Commercial Aircraft..... | 193 | Evonik's VESTAMID® Molding Compounds for Rail and Automotive Industry..... | 200 |
| USB Type-C Connectors Molded Using DuPont™ Zytel® HTN FR52 NH Polyamide Resin..... | 186 | EU Intends to Ban PFOA..... | 193 | Osram Chose Royal DSM's Stanyl® TC PA 46 in the Heat Sinks of its LED Downlights..... | 200 |
| Polyphenylene Sulfide Fiber TORCON™ and Polyacrylonitrile-base Flame Resistant Yarn Utilized to Develop High Performance Flame Shielding Paper..... | 186 | AGC Chemicals Enters Brazilian Fluoropolymer Market | 193 | First Supply Deal of SK Chemicals with a Major International Company for Super Engineering Plastic Materials..... | 200 |
| Solvay's KetaSpire® PEEK Demonstrated Strong Compatibility with Ford's new ULV 25 ATF..... | 186 | Solvay's New Veradel® 3300 SL 30 PESU Launched at the CTI Symposium..... | 193 | Launch of Solvay's New 30% Glass-Reinforced AvaSpire® AV-652 PAEK..... | 201 |
| Solvay's KetaSpire® PEEK Selected for Polimotor 2's 3D-Printed Fuel Intake Runner..... | 186 | Strategic Alliance with NHU Reinforces the High Performance Engineering Plastics Portfolio of DSM..... | 193 | COMAC Qualified Five of Solvay's KetaSpire® PEEK Grades for Use in its C919 Aircraft..... | 201 |
| VICTREX Pipes™ Replaced Metal Tubing in High Voltage Cable Conduits..... | 186 | Development of the Polimotor 2 All-Plastic Automotive Engine by Solvay..... | 194 | Medshine Launched AvaSpire® PAEK-based Locally-Produced Surgical Sterilization Cases..... | 201 |
| Automotives Installed with Plastic-rubber Technology-based Cooling Components Made of Special PPA VESTAMID® HTplus R1033 and HNBR Elastomer..... | 187 | SK Chemicals and INITZ to Exhibit Super Engineering Plastics at Chinaplas 2015..... | 194 | Victrex and Tri-Mack Joined Forces to Develop New Hybrid-Molded VICTREX® PAEK-based Composite Aerospace Bracket..... | 201 |
| Solvay's New Deal with Chase Plastics to Distribute High-Performance Amodel® PPA Resins..... | 187 | Tulip, a PEEK-OPTIMA® Polymer based Spinal Stabilisation System from Weigao..... | 194 | PEEK-based JUVORA™ Dental Disc is a Time-Saving Non-Metal Alternative to Metal-based Removable Partial Denture..... | 201 |
| Introduction of Solvay's Pre-Colored Radel® R-7159 Series Resins for Use in Commercial Aircraft Interiors..... | 187 | Evonik's VESTAKEEP® i-Grade PEEK Passed Biocompatibility Test in China..... | 194 | DuPont Fluoropolymer Solutions Consolidates Chinese Operations..... | 202 |
| Hankuk Carbon Selected Virantage® PESU Tougheners to Produce Enhanced Thermoset Composite Prepregs..... | 187 | Establishment of Victrex's New PAEK Facility Opens Up New Possibilities..... | 194 | Solvay Launches Two New ECTFE Film Grades for PV Front Sheet Applications..... | 202 |
| Celanese to Launch Two Premium Industrial PEEK Grades in the Second Half of 2016..... | 187 | ATO's Semi-Finished Tubes Made of KetaSpire® PEEK Resin Compliant with NORSOK M-710 Standard for Oil & Gas | 195 | Launch of Two Novel Grades of Ryton® PPS for Food Contact Applications..... | 202 |
| CFDA Approval for Invivio's PEEK-OPTIMA® HA Enhanced for Spinal Fusion Implants..... | 188 | National Nonwovens Used ULTEM™ PEI to Develop the First Fire Blocker for All Aircraft Seating Dress Covers .. | 195 | VICTREX PEEK-based Diamond Connectors for Deepwater, HPHIT Wellhead and Downhole Applications..... | 202 |
| Broadening of PEEK Polymers Production Capacity at Evonik's China Site..... | 188 | Shanghai 3F New Materials' PTFE Capacity Expanded .. | 195 | 3M Introduces 3M™ Dyneon™ PTFE Dispersion TF 5035GZ without APEO and APFO..... | 202 |
| Arkema's High Performing Kynar Flex® Grade for the Wire and Cable Sector Launched..... | 188 | NSF Certification Enabled the Use of Amodel® PPA Resin Grades of Solvay in Food Service Industry..... | 195 | Kureha Completes Construction of PVDF Plant in China 202 | 202 |
| Addition of Five New Glass Fiber-Reinforced Grades of Amodel® AE-8900 Series by Solvay for Automotive Electronics Use..... | 188 | Construction of New Production Line to Broaden DIC's PPS Polymer Production Capacity..... | 195 | Zhejiang Juhua Co Ltd to Build PVDF Facility..... | 203 |
| Addition of LFT Technology Complemented Solvay Specialty Polymers' High Performance Lightweight Materials Portfolio..... | 188 | New TECATEC Product Series Exemplified the Close Collaboration of Ensinger and Victrex..... | 195 | Distribution Pacts Formed by DSM to Reinforce its Footprint in Mexico..... | 203 |
| Introduction of VICTREX® AE250 Composites for Aircrafts... Vertera Spine Selected Solvay's Zeniva® PEEK for the Development of PEEK Scoria™ Technology..... | 189 | US FDA Offered 510(k) Clearance for Meditech Spine's Talos® C (HA) Cervical IBF Devices..... | 196 | World's First High-Heat Plastic Air Intake Manifold with Integrated Charge Air Cooler Utilized DSM's Stanyl® Diablo PA46..... | 203 |
| VESTAKEEP® 5000 HCM Micro Granules Enhanced Production Efficiency of Customized PEEK Seals..... | 189 | NSF Certified Solvay's KetaSpire® PEEK Resin for Highly Demanding Food Processing and Household Appliance Applications..... | 196 | Establishment of DIC Corporation's First PPS Compounds Facility in the PRC..... | 203 |
| Innov'spine Received CE Mark Approval for its New PEEK Polymer-based Spinal Rods..... | 189 | SABIC to Increase Production Capacity of Ultem PEI Resin by 30%..... | 196 | Arkema Expands Kynar® PVDF Portfolio with New Grade for Drinking Water Systems..... | 203 |
| | | AGC FluoroCompounds Group Inaugurates Pilot Plant . | 196 | Honeywell's Brazilian Operations See Growth..... | 204 |
| | | DuPont Increased its Zytel® HTN PPA Production to Meet the Rising Global Market Demand..... | 196 | Evonik Increased PA12 Production Capacity at its Marl Facility by 5,000 MTs..... | 204 |
| | | ELITechGroup Selected Solvay's Radel® PPSU as an Alternative to Transparent PC Resin for Injection Molding Two Redesigned Slide Stainer Carousels..... | 196 | US FDA Offered 510 (k) Clearance for Extremity Medical's New HammerFix™ IP Fusion System Produced Using Solvay's Zeniva® PEEK Resin..... | 204 |
| | | Solvay Named Infinity LTL an Authorized Color Compounder of Amodel® PPA, Udel® PSU and Xydar® LCP Resins..... | 197 | | |
| | | Victrex and Lenorplastics to form PAEK Distribution Pact.... | 197 | | |

| | |
|--|------------|
| Zeus Offered its New PEEK Engineered Surface Tubing with Enhanced Lubricity for Medical Use | 204 |
| Broadening of Celanese's Kentucky Compounding Production Facility | 204 |
| Solvay's KetaSpire® KT-825 Provided 50% Greater Stiffness than Standard Neat PEEK Grades | 204 |
| KetaSpire® PEEK-based Ketron® PEEK Stock Shapes Compliant with Norsok M-710 Standards for Oil and Gas | 204 |
| Solvay Introduces Novel Grades of Halar® ECTFE Film | 205 |
| Korean Researchers Develop Novel Technology for Manufacturing VDF | 205 |
| Arkema Showcases Kynar® Aquatec® CRX Latex | 205 |
| Solvay High Performance Polymers Earned Regulatory Approvals for Use in Food Contact and Drinking Water Applications | 205 |
| Celanese to Expand Compounding Capabilities at Nanjing Integrated Chemical Complex | 206 |
| Development of Halogen-free Fortron® PPS CES50 for Consumer Electronics Device Housings | 206 |
| Use of Celanese's Fortron ICE PPS in Making Allied Series VX-Mid™ HT UHF RFID Tag | 206 |
| PolyOne to Launch LubriOne™ PEEK Solutions for Use in Electrical Power Tools | 206 |
| AvaSpire® PAEK-based Structural Components in Technifab's New High-Performance Polymeric Foam Ducting System | 206 |
| Airbus Qualified Three of Solvay's KetaSpire® PEEK Grades. 206 | 206 |
| AS9100C/ISO9001:2008 Aerospace Certification for VICTREX Pipes™ | 207 |
| Greene, Tweed Adds ARLON® 3000 XT as Substitute | 207 |
| CE Mark Certification for VESTAKEEP® PEEK based Cage System | 207 |
| Evonik's VESTAKEEP® PEEK Implant Product Line Receives FDA 510(k) Clearance | 207 |
| Evonik Clears Norsok M-710 Test for VESTAKEEP® PEEK 5000 G | 207 |
| DuPont™ Fluoropolymer Solutions Expands Melt-Processable Fluoroplastic Resin Capacity | 207 |
| UL Plastics Component Database Certifies DuPont Fluoroplastic's ECCtreme™ ECA 3000 as Having the Highest Temperature Rating | 208 |
| Victrex Supplies VICTREX® PEEK Polymers Solutions to COMAC | 208 |
| Inauguration of BASF's Ultrason® Production Facility in South Korea | 208 |
| 5. GLOBAL MARKET OVERVIEW | 209 |
| Chart 33: Global High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 209 | 209 |
| 5.1 Global High Performance Plastics Market Overview by End-use Sector | 210 |
| Volume Analysis | 210 |
| Chart 34: Global High Performance Plastics Market Analysis (2012-2022) by End-use Sector – Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 210 |
| Chart 35: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) by End-use Sector – Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 210 |
| Value Analysis | 211 |
| Chart 36: Global High Performance Plastics Market Analysis (2012-2022) by End-use Sector – Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 211 |
| Chart 37: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) by End-use Sector – Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 211 |
| 5.1.1 High Performance Plastics End-use Sector Market Overview by Global Region | 212 |
| 5.1.1.1 Automotive & Transportation | 212 |
| Volume Analysis | 212 |
| Chart 38: Global Market for High Performance Plastics in Automotive & Transportation Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 212 |
| Chart 39: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) in Automotive & Transportation Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 212 |
| Value Analysis | 213 |
| Chart 40: Global Market for High Performance Plastics in Automotive & Transportation Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 213 |
| Chart 41: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Automotive & Transportation Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 213 |
| 5.1.1.2 Building & Construction | 214 |
| Volume Analysis | 214 |
| Chart 42: Global Market for High Performance Plastics in Building & Construction Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 214 |
| Chart 43: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) in Building & Construction Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 214 |
| Value Analysis | 215 |
| Chart 44: Global Market for High Performance Plastics in Building & Construction Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 215 |
| Chart 45: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Building & Construction Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 215 |
| 5.1.1.3 Consumer Goods | 216 |
| Volume Analysis | 216 |
| Chart 46: Global Market for High Performance Plastics in Consumer Goods Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 216 |
| Chart 47: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) in Consumer Goods Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 216 |
| Value Analysis | 217 |
| Chart 48: Global Market for High Performance Plastics in Consumer Goods Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 217 |
| Chart 49: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Consumer Goods Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 217 |
| 5.1.1.4 Electrical & Electronics | 218 |
| Volume Analysis | 218 |
| Chart 50: Global Market for High Performance Plastics in Electrical & Electronics Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 218 |
| Chart 51: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) in Electrical & Electronics Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 218 |
| Value Analysis | 219 |
| Chart 52: Global Market for High Performance Plastics in Electrical & Electronics Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 219 |
| Chart 53: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Electrical & Electronics Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 219 |
| 5.1.1.5 Mechanical/Industrial | 220 |
| Volume Analysis | 220 |
| Chart 54: Global Market for High Performance Plastics in Mechanical/Industrial Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 220 |
| Chart 55: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) in Mechanical/Industrial Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 220 |
| Value Analysis | 221 |
| Chart 56: Global Market for High Performance Plastics in Mechanical/Industrial Sector (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 221 |
| Chart 57: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Mechanical/Industrial Sector by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 221 |
| 5.1.1.6 Other Sectors | 222 |
| Volume Analysis | 222 |
| Chart 58: Global Market for High Performance Plastics in Other Sectors (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 222 |
| Chart 59: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Other Sectors by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 222 |
| Value Analysis | 223 |
| Chart 60: Global Market for High Performance Plastics in Other Sectors (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 223 |
| Chart 61: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) in Other Sectors by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 223 |
| 5.2 Global High Performance Plastics Market Overview by Plastic Type | 224 |
| Volume Analysis | 224 |
| Chart 62: Global High Performance Plastics Market Analysis (2012-2022) by Plastic Type – Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons | 224 |
| Chart 63: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) by Plastic Type – Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 224 |
| Value Analysis | 225 |
| Chart 64: Global High Performance Plastics Market Analysis (2012-2022) by Plastic Type – Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million | 225 |
| Chart 65: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) by Plastic Type – Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 225 |
| 5.2.1 Fluoropolymers | 226 |
| Chart 66: Global Fluoropolymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 226 | 226 |
| 5.2.1.1 Global Fluoropolymers Market Overview by Fluoropolymer Type | 227 |
| Volume Analysis | 227 |
| Chart 67: Global Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type – PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons | 227 |
| Chart 68: Glance at 2012, 2017 and 2022 Global Fluoropolymers Volume Market Share (%) by Fluoropolymer Type – PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 227 |
| Value Analysis | 228 |
| Chart 69: Global Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type – PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million | 228 |
| Chart 70: Glance at 2012, 2017 and 2022 Global Fluoropolymers Value Market Share (%) by Fluoropolymer Type – PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 228 |

| | | | | | |
|---|-----|---|-----|--|-----|
| 5.2.1.2 Global Fluoropolymers Market Overview by Geographic Region..... | 229 | Chart 85: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 236 | Chart 102: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Volume Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others | 245 |
| Volume Analysis..... | 229 | Value Analysis..... | 237 | Value Analysis..... | 246 |
| Chart 71: Global Fluoropolymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 229 | Chart 86: Global High Performance Polyamides Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 237 | Chart 103: Global Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in USD Million | 246 |
| Chart 72: Glance at 2012, 2017 and 2022 Global Fluoropolymers Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 229 | Chart 87: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 237 | Chart 104: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others | 246 |
| Value Analysis..... | 230 | 5.2.2.3 Global High Performance Polyamides Market Overview by End-use Sector | 238 | Volume Analysis..... | 248 |
| Chart 73: Global Fluoropolymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million..... | 230 | Volume Analysis..... | 238 | Chart 88: Global High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 238 |
| Chart 74: Glance at 2012, 2017 and 2022 Global Fluoropolymers Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World | 230 | Chart 89: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Volume Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 238 | Chart 89: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 238 |
| 5.2.1.3 Global Fluoropolymers Market Overview by End-use Sector | 231 | Value Analysis..... | 239 | Chart 90: Global High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 239 |
| Volume Analysis..... | 231 | Chart 91: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 239 | Chart 91: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 239 |
| Chart 75: Global Fluoropolymers Market Analysis (2012-2022) by End-use Sector – Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in Metric Tons | 231 | 5.2.3 Sulfone Polymers | 240 | Chart 92: Global Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 240 |
| Chart 76: Glance at 2012, 2017 and 2022 Global Fluoropolymers Volume Market Share (%) by End-use Sector – Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 231 | Chart 92: Global Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 240 | 5.2.3.1 Global Sulfone Polymers Market Overview by Polymer Type | 241 |
| Value Analysis..... | 232 | 5.2.3.1 Global Sulfone Polymers Market Overview by Polymer Type | 241 | Volume Analysis..... | 241 |
| Chart 77: Global Fluoropolymers Market Analysis (2012-2022) by End-use Sector – Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in USD Million | 232 | Chart 93: Global Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 241 | Chart 93: Global Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 241 |
| Chart 78: Glance at 2012, 2017 and 2022 Global Fluoropolymers Value Market Share (%) by End-use Sector – Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 232 | Chart 94: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 241 | Chart 94: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 241 |
| 5.2.2 High Performance Polyamides | 233 | Value Analysis..... | 242 | Chart 95: Global Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 242 |
| Chart 79: Global High Performance Polyamides Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 233 | Chart 95: Global Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 242 | Chart 96: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 242 |
| 5.2.2.1 Global High Performance Polyamides Market Overview by Polyamide Type..... | 234 | Chart 96: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 242 | 5.2.3.2 Global Sulfone Polymers Market Overview by Geographic Region | 243 |
| Volume Analysis..... | 234 | 5.2.3.2 Global Sulfone Polymers Market Overview by Geographic Region | 243 | Volume Analysis..... | 243 |
| Chart 80: Global High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons | 234 | Chart 97: Global Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 243 | Chart 97: Global Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons | 243 |
| Chart 81: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Volume Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 234 | Chart 98: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World..... | 243 | Chart 98: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World..... | 243 |
| Value Analysis..... | 235 | Value Analysis..... | 244 | Value Analysis..... | 244 |
| Chart 82: Global High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 235 | Chart 99: Global Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 244 | Chart 99: Global Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 244 |
| Chart 83: Glance at 2012, 2017 and 2022 Global High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 235 | Chart 100: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World .. | 244 | Chart 100: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World .. | 244 |
| 5.2.2.2 Global High Performance Polyamides Market Overview by Geographic Region..... | 236 | 5.2.3.3 Global Sulfone Polymers Market Overview by End-use Sector | 245 | Chart 101: Global Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons | 245 |
| Volume Analysis..... | 236 | Chart 101: Global Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons | 245 | Chart 102: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others | 245 |
| Chart 84: Global High Performance Polyamides Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons..... | 236 | Chart 102: Glance at 2012, 2017 and 2022 Global Sulfone Polymers Value Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others | 245 | Chart 103: Global Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million | 246 |

Chart 118: Glance at 2012, 2017 and 2022 Global Liquid Crystal Polymers (LCP) Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World.....254

5.2.5.2 Global Liquid Crystal Polymers (LCP) Market Overview by End-use Sector 255

Value Analysis..... 255

Chart 119: Global Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Others in Metric Tons255

Chart 120: Glance at 2012, 2017 and 2022 Global Liquid Crystal Polymers (LCP) Volume Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Others255

Value Analysis 256

Chart 121: Global Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Others in USD Million..256

Chart 122: Glance at 2012, 2017 and 2022 Global Liquid Crystal Polymers (LCP) Value Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Others256

5.2.6 Polyetherimide (PEI) 257

Chart 123: Global Polyetherimide (PEI) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)257

5.2.6.1 Global Polyetherimide (PEI) Market Overview by Geographic Region.....258

Value Analysis..... 258

Chart 124: Global Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons ..258

Chart 125: Glance at 2012, 2017 and 2022 Global Polyetherimide (PEI) Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World.....258

Value Analysis 259

Chart 126: Global Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million ..259

Chart 127: Glance at 2012, 2017 and 2022 Global Polyetherimide (PEI) Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World.....259

5.2.6.2 Global Polyetherimide (PEI) Market Overview by End-use Sector 260

Value Analysis..... 260

Chart 128: Global Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in Metric Tons.....260

Chart 129: Glance at 2012, 2017 and 2022 Global Polyetherimide (PEI) Volume Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others260

Value Analysis..... 261

Chart 130: Global Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in USD Million.....261

Chart 131: Glance at 2012, 2017 and 2022 Global Polyetherimide (PEI) Value Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others261

5.2.7 Polyetheretherketone (PEEK) 262

Chart 132: Global Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)262

5.2.7.1 Global Polyetheretherketone (PEEK) Market Overview by Geographic Region 263

Value Analysis..... 263

Chart 133: Global Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in Metric Tons..... 263

Chart 134: Glance at 2012, 2017 and 2022 Global Polyetheretherketone (PEEK) Volume Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World 263

Value Analysis..... 264

Chart 135: Global Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World in USD Million 264

Chart 136: Glance at 2012, 2017 and 2022 Global Polyetheretherketone (PEEK) Value Market Share (%) by Geographic Region – United States, Europe, Asia-Pacific and Rest of World 264

5.2.7.2 Global Polyetheretherketone (PEEK) Market Overview by End-use Sector 265

Value Analysis..... 265

Chart 137: Global Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in Metric Tons 265

Chart 138: Glance at 2012, 2017 and 2022 Global Polyetheretherketone (PEEK) Volume Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others 265

Value Analysis..... 266

Chart 139: Global Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in USD Million..... 266

Chart 140: Glance at 2012, 2017 and 2022 Global Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others 266

PART B: REGIONAL MARKET PERSPECTIVE ..267

Global High Performance Plastics Market Overview by Geographic Region 267

Value Analysis..... 267

Chart 141: Global High Performance Plastics Market Analysis (2012-2022) by Geographic Region - United States, Europe, Asia-Pacific and Rest of World in Metric Tons 267

Chart 142: Glance at 2012, 2017 and 2022 Global High Performance Plastics Volume Market Share (%) by Global Region - United States, Europe, Asia-Pacific and Rest of World..... 267

Value Analysis..... 268

Chart 143: Global High Performance Plastics Market Analysis (2012-2022) by Global Region - United States, Europe, Asia-Pacific and Rest of World in USD Million.. 268

Chart 144: Glance at 2012, 2017 and 2022 Global High Performance Plastics Value Market Share (%) by Global Region - United States, Europe, Asia-Pacific and Rest of World..... 268

REGIONAL MARKET OVERVIEW 269

1. THE UNITED STATES 269

Chart 145: United States High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 269

1.1 United States High Performance Plastics Market Overview by End-use Sector 270

Value Analysis..... 270

Chart 146: United States High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... 270

Chart 147: Glance at 2012, 2017 and 2022 United States High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 270

Value Analysis 271

Chart 148: United States High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million 271

Chart 149: Glance at 2012, 2017 and 2022 United States High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 271

1.2 United States High Performance Plastics Market Overview by Plastic Type 272

Value Analysis 272

Chart 150: United States High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons 272

Chart 151: Glance at 2012, 2017 and 2022 United States High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone 272

Value Analysis 273

Chart 152: United States High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million 273

Chart 153: Glance at 2012, 2017 and 2022 United States High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone 273

1.2.1 Fluoropolymers 274

Chart 154: United States Fluoropolymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 274

1.2.1.1 United States Fluoropolymers Market Overview by End-use Sector 275

Value Analysis 275

Chart 155: United States Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in Metric Tons 275

Chart 156: Glance at 2012, 2017 and 2022 United States Fluoropolymers Volume Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others 275

Value Analysis..... 276

Chart 157: United States Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in USD Million 276

Chart 158: Glance at 2012, 2017 and 2022 United States Fluoropolymers Value Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others 276

1.2.1.2 United States Fluoropolymers Market Overview by Fluoropolymer Type..... 277

Value Analysis 277

Chart 159: United States Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons..... 277

Chart 160: Glance at 2012, 2017 and 2022 United States Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE 277

| | | | | | |
|--|-----|---|-----|---|-----|
| Value Analysis..... | 278 | Chart 176: Glance at 2012, 2017 and 2022 United States Sulfone Polymers Value Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others..... | 286 | 1.2.6.1 United States Polyetherimide (PEI) Market Overview by End-use Sector | 296 |
| Chart 161: United States Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million..... | 278 | 1.2.3.2 United States Sulfone Polymers Market Overview by Polymer Type | 287 | Volume Analysis | 296 |
| Chart 162: Glance at 2012, 2017 and 2022 United States Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE278 | | Chart 177: United States Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 287 | Chart 192: United States Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in Metric Tons | 296 |
| 1.2.2 High Performance Polyamides | 279 | Chart 178: Glance at 2012, 2017 and 2022 United States Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 287 | Chart 193: Glance at 2012, 2017 and 2022 United States Polyetherimide (PEI) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others | 296 |
| Chart 163: United States High Performance Polyamides Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 279 | Value Analysis..... | 288 | Chart 194: United States Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in USD Million | 297 |
| 1.2.2.1 United States High Performance Polyamides Market Overview by End-Use Sector | 280 | Chart 179: United States Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 288 | Chart 195: Glance at 2012, 2017 and 2022 United States Polyetherimide (PEI) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others | 297 |
| Volume Analysis..... | 280 | Chart 180: Glance at 2012, 2017 and 2022 United States Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 288 | 1.2.7 Polyetheretherketone..... | 298 |
| Chart 164: United States High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 280 | 1.2.4 Polyphenylene Sulphide..... | 289 | Chart 196: United States Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 298 |
| Chart 165: Glance at 2012, 2017 and 2022 United States High Performance Polyamides Volume Market Share (%) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 280 | Chart 181: United States Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 289 | 1.2.7.1 United States Polyetheretherketone (PEEK) Market Overview by End-use Sector | 299 |
| Value Analysis..... | 281 | 1.2.4.1 United States Polyphenylene Sulphide (PPS) Market Overview by End-use Sector | 290 | Volume Analysis | 299 |
| Chart 166: United States High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 281 | Chart 182: United States Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications in Metric Tons | 290 | Chart 197: United States Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in Metric Tons | 299 |
| Chart 167: Glance at 2012, 2017 and 2022 United States High Performance Polyamides Value Market Share (%) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 281 | Chart 183: Glance at 2012, 2017 and 2022 United States Polyphenylene Sulfide (PPS) Volume Market Share (%) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications | 290 | Chart 198: Glance at 2012, 2017 and 2022 United States Polyetheretherketone (PEEK) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others | 299 |
| 1.2.2.2 United States High Performance Polyamides Market Overview by Polyamide Type | 282 | Value Analysis..... | 291 | Chart 199: United States Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in USD Million | 300 |
| Volume Analysis..... | 282 | Chart 184: United States Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications in USD Million | 291 | Chart 200: Glance at 2012, 2017 and 2022 United States Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others | 300 |
| Chart 168: United States High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 282 | Chart 185: Glance at 2012, 2017 and 2022 United States Polyphenylene Sulfide (PPS) Value Market Share (%) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications | 291 | 1.2.7.1 United States Polyetheretherketone (PEEK) Market Overview by End-use Sector | 299 |
| Chart 169: Glance at 2012, 2017 and 2022 United States High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 282 | 1.2.5 Liquid Crystal Polymers..... | 292 | Volume Analysis | 299 |
| Value Analysis..... | 283 | Chart 186: United States Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 292 | Chart 197: United States Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in USD Million | 300 |
| Chart 170: United States High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 283 | 1.2.5.1 United States Liquid Crystal Polymers (LCP) Market Overview by End-use Sector | 293 | Chart 200: Glance at 2012, 2017 and 2022 United States Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others | 300 |
| Chart 171: Glance at 2012, 2017 and 2022 United States High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 283 | Volume Analysis..... | 293 | Chart 201: European High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 301 |
| 1.2.3 Sulfone Polymers | 284 | Chart 187: United States Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others in Metric Tons | 293 | 2.1 European High Performance Plastics Market Overview by Geographic Region..... | 302 |
| Chart 172: United States Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 284 | Chart 188: Glance at 2012, 2017 and 2022 United States Liquid Crystal Polymers (LCP) Volume Market Share (%) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others | 293 | Volume Analysis | 302 |
| 1.2.3.1 United States Sulfone Polymers Market Overview by End-Use Sector | 285 | Value Analysis..... | 294 | Chart 202: European High Performance Plastics Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons | 302 |
| Volume Analysis..... | 285 | Chart 189: United States Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others in USD Million | 294 | Chart 203: Glance at 2012, 2017 and 2022 European High Performance Plastics Volume Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe | 302 |
| Chart 173: United States Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons..... | 285 | Chart 190: Glance at 2012, 2017 and 2022 United States Liquid Crystal Polymers (LCP) Value Market Share (%) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others | 294 | Value Analysis..... | 303 |
| Chart 174: Glance at 2012, 2017 and 2022 United States Sulfone Polymers Volume Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others..... | 285 | 1.2.6 Polyetherimide | 295 | Chart 204: European High Performance Plastics Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million | 303 |
| Value Analysis..... | 286 | Chart 191: United States Polyetherimide (PEI) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 295 | Chart 205: Glance at 2012, 2017 and 2022 European High Performance Plastics Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe | 303 |
| Chart 175: United States Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in USD Million | 286 | | | | |

| | | | | | |
|--|-----|--|-----|--|-----|
| 2.2 European High Performance Plastics Market Overview by End-use Sector | 304 | Chart 219: European Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in Metric Tons | 311 | Chart 235: Glance at 2012, 2017 and 2022 European High Performance Polyamides Value Market Share (%) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 319 |
| Volume Analysis..... | 304 | Chart 220: Glance at 2012, 2017 and 2022 European Fluoropolymers Volume Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others..... | 311 | 2.3.2.3 European High Performance Polyamides Market Overview by Polyamide Type | 320 |
| Chart 206: European High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 304 | Value Analysis..... | 312 | Chart 236: European High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons | 320 |
| Chart 207: Glance at 2012, 2017 and 2022 European High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 304 | Chart 221: European Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in USD Million | 312 | Chart 237: Glance at 2012, 2017 and 2022 European High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 320 |
| Value Analysis..... | 305 | Chart 222: Glance at 2012, 2017 and 2022 European Fluoropolymers Value Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others..... | 312 | Value Analysis..... | 321 |
| Chart 208: European High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 305 | 2.3.1.3 European Fluoropolymers Market Overview by Fluoropolymer Type..... | 313 | Chart 238: European High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 321 |
| Chart 209: Glance at 2012, 2017 and 2022 European High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 305 | Volume Analysis..... | 313 | Chart 239: Glance at 2012, 2017 and 2022 European High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 321 |
| 2.3 European High Performance Plastics Market Overview by Plastic Type | 306 | Chart 223: European Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons | 313 | 2.3.3 Sulfone Polymers | 322 |
| Volume Analysis..... | 306 | Chart 224: Glance at 2012, 2017 and 2022 European Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE..... | 313 | Chart 240: European Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 322 |
| Chart 210: European High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons | 306 | Value Analysis..... | 314 | 2.3.3.1 European Sulfone Polymers Market Overview by Geographic Region..... | 323 |
| Chart 211: Glance at 2012, 2017 and 2022 European High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 306 | Chart 225: European Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million | 314 | Volume Analysis | 323 |
| Value Analysis..... | 307 | Chart 226: Glance at 2012, 2017 and 2022 European Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE..... | 314 | Chart 241: European Sulfone Polymers Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons | 323 |
| Chart 212: European High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 307 | 2.3.2 High Performance Polyamides | 315 | Chart 242: Glance at 2012, 2017 and 2022 European Sulfone Polymers Volume Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 323 |
| Chart 213: Glance at 2012, 2017 and 2022 European High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 307 | Chart 227: European High Performance Polyamides Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 315 | Value Analysis..... | 324 |
| 2.3.1 Fluoropolymers..... | 308 | 2.3.2.1 European High Performance Polyamides Market Overview by Geographic Region | 316 | Chart 243: European Sulfone Polymers Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million | 324 |
| Chart 214: European Fluoropolymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 308 | Volume Analysis..... | 316 | Chart 244: Glance at 2012, 2017 and 2022 European Sulfone Polymers Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 324 |
| 2.3.1.1 European Fluoropolymers Market Overview by Geographic Region..... | 309 | Chart 228: European High Performance Polyamides Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons..... | 316 | 2.3.3.2 European Sulfone Polymers Market Overview by End-Use Sector | 325 |
| Volume Analysis..... | 309 | Chart 229: Glance at 2012, 2017 and 2022 European High Performance Polyamides Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 316 | Volume Analysis | 325 |
| Chart 215: European Fluoropolymers Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons..... | 309 | Chart 230: European High Performance Polyamides Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million..... | 317 | Chart 245: European Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector - Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons | 325 |
| Chart 216: Glance at 2012, 2017 and 2022 European Fluoropolymers Volume Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 309 | Chart 231: Glance at 2012, 2017 and 2022 European High Performance Polyamides Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 317 | Chart 246: Glance at 2012, 2017 and 2022 European Sulfone Polymers Volume Market Share (%) by End-Use Sector - Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others | 325 |
| Value Analysis..... | 310 | 2.3.2.2 European High Performance Polyamides Market Overview by End-Use Sector | 318 | Value Analysis..... | 326 |
| Chart 217: European Fluoropolymers Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million..... | 310 | Volume Analysis..... | 318 | Chart 247: European Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector - Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in USD Million | 326 |
| Chart 218: Glance at 2012, 2017 and 2022 European Fluoropolymers Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 310 | Chart 232: European High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 318 | Chart 248: Glance at 2012, 2017 and 2022 European Sulfone Polymers Value Market Share (%) by End-Use Sector - Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others..... | 326 |
| 2.3.1.2 European Fluoropolymers Market Overview by End-use Sector | 311 | Chart 233: Glance at 2012, 2017 and 2022 European High Performance Polyamides Volume Market Share (%) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 318 | | |
| Volume Analysis..... | 311 | Value Analysis..... | 319 | | |
| | | Chart 234: European High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 319 | | |

| | | | | | |
|--|-----|---|-----|--|-----|
| 2.3.3.3 European Sulfone Polymers Market Overview by Polymer Type..... | 327 | Chart 264: Glance at 2012, 2017 and 2022 European Liquid Crystal Polymers (LCP) Volume Market Share (%) by Geographic Region – France, Germany, Italy, The United Kingdom and Rest of Europe..... | 335 | 2.3.7 Polyetheretherketone..... | 344 |
| Volume Analysis..... | 327 | Value Analysis..... | 336 | Chart 280: European Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 344 |
| Chart 249: European Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 327 | Chart 265: European Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million | 336 | 2.3.7.1 European Polyetheretherketone (PEEK) Market Overview by Geographic Region | 345 |
| Chart 250: Glance at 2012, 2017 and 2022 European Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 327 | Chart 266: Glance at 2012, 2017 and 2022 European Liquid Crystal Polymers (LCP) Value Market Share (%) by Geographic Region – France, Germany, Italy, The United Kingdom and Rest of Europe..... | 336 | Volume Analysis | 345 |
| Value Analysis..... | 328 | 2.3.5.2 European Liquid Crystal Polymers (LCP) Market Overview by End-use Sector | 337 | Chart 281: European Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons | 345 |
| Chart 251: European Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 328 | Volume Analysis..... | 337 | Chart 282: Glance at 2012, 2017 and 2022 European Polyetheretherketone (PEEK) Volume Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe | 345 |
| Chart 252: Glance at 2012, 2017 and 2022 European Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 328 | Chart 267: European Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Automotive, Electrical & Electronics, Industrial and Others in Metric Tons | 337 | Chart 283: European Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million..... | 346 |
| 2.3.4 Polyphenylene Sulphide..... | 329 | Chart 268: Glance at 2012, 2017 and 2022 European Liquid Crystal Polymers (LCP) Volume Market Share (%) by End-use Sector –Automotive, Electrical & Electronics, Industrial and Others | 337 | Chart 284: Glance at 2012, 2017 and 2022 European Polyetheretherketone (PEEK) Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe | 346 |
| Chart 253: European Polyphenylene Sulphide Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 329 | Value Analysis..... | 338 | 2.3.7.2 European Polyetheretherketone (PEEK) Market Overview by End-use Sector | 347 |
| 2.3.4.1 European Polyphenylene Sulphide (PPS) Market Overview by Geographic Region | 330 | Chart 269: European Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector –Automotive, Electrical & Electronics, Industrial and Others in USD Million | 338 | Volume Analysis | 347 |
| Volume Analysis..... | 330 | Chart 270: Glance at 2012, 2017 and 2022 European Liquid Crystal Polymers (LCP) Value Market Share (%) by End-use Sector –Automotive, Electrical & Electronics, Industrial and Others | 338 | Chart 285: European Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in Metric Tons..... | 347 |
| Chart 254: European Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, United Kingdom and Rest of Europe in Metric Tons | 330 | 2.3.6 Polyetherimide | 339 | Chart 286: Glance at 2012, 2017 and 2022 European Polyetheretherketone (PEEK) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others | 347 |
| Chart 255: Glance at 2012, 2017 and 2022 European Polyphenylene Sulfide (PPS) Volume Market Share (%) by Geographic Region – France, Germany, Italy, United Kingdom and Rest of Europe | 330 | Chart 271: European Polyetherimide (PEI) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 339 | Value Analysis..... | 348 |
| Value Analysis | 331 | 2.3.6.1 European Polyetherimide (PEI) Market Overview by Geographic Region..... | 340 | Chart 287: European Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in USD Million | 348 |
| Chart 256: European Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, United Kingdom and Rest of Europe in USD Million | 331 | Volume Analysis..... | 340 | Chart 288: Glance at 2012, 2017 and 2022 European Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others | 348 |
| Chart 257: Glance at 2012, 2017 and 2022 European Polyphenylene Sulfide (PPS) Value Market Share (%) by Geographic Region – France, Germany, Italy, United Kingdom and Rest of Europe | 331 | Chart 272: European Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons | 340 | 2.4 European High Performance Plastics Market Overview by Country | 349 |
| 2.3.4.2 European Polyphenylene Sulphide (PPS) Market Overview by End-use Application..... | 332 | Chart 273: Glance at 2012, 2017 and 2022 European Polyetherimide (PEI) Volume Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 340 | 2.4.1 France | 349 |
| Volume Analysis..... | 332 | Value Analysis..... | 341 | Chart 289: French High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 349 |
| Chart 258: European Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications in Metric Tons | 332 | Chart 274: European Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe in USD Million .. | 341 | 2.4.1.1 French High Performance Plastics Market Overview by End-use Sector | 350 |
| Chart 259: Glance at 2012, 2017 and 2022 European Polyphenylene Sulfide (PPS) Volume Market Share (%) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications | 332 | Chart 275: Glance at 2012, 2017 and 2022 European Polyetherimide (PEI) Value Market Share (%) by Geographic Region - France, Germany, Italy, The United Kingdom and Rest of Europe..... | 341 | Volume Analysis | 350 |
| Value Analysis..... | 333 | 2.3.6.2 European Polyetherimide (PEI) Market Overview by End-use Sector | 342 | Chart 290: French High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 350 |
| Chart 260: European Polyphenylene Sulfide (PPS) Market Analysis (2012-2022) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications in USD Million..... | 333 | Volume Analysis..... | 342 | Chart 291: Glance at 2012, 2017 and 2022 French High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 350 |
| Chart 261: Glance at 2012, 2017 and 2022 European Polyphenylene Sulfide (PPS) Value Market Share (%) by End-use Application – Automotive, Electricals & Electronics, Mechanical/Industrial and Other Applications | 333 | Chart 276: European Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in Metric Tons | 342 | Value Analysis..... | 351 |
| 2.3.5 Liquid Crystal Polymers..... | 334 | Chart 277: Glance at 2012, 2017 and 2022 European Polyetherimide (PEI) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others | 342 | Chart 292: French High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 351 |
| Chart 262: European Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 334 | Value Analysis..... | 343 | Chart 293: Glance at 2012, 2017 and 2022 French High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 351 |
| 2.3.5.1 European Liquid Crystal Polymers (LCP) Market Overview by Geographic Region | 335 | Chart 278: European Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in USD Million..... | 343 | | |
| Volume Analysis..... | 335 | Chart 279: Glance at 2012, 2017 and 2022 European Polyetherimide (PEI) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others..... | 343 | | |
| Chart 263: European Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by Geographic Region – France, Germany, Italy, The United Kingdom and Rest of Europe in Metric Tons | 335 | | | | |

| | | | | | |
|---|------------|---|------------|---|------------|
| 2.4.1.2 French High Performance Plastics Market Overview by Plastic Type | 352 | Value Analysis | 359 | 2.4.2.2 German High Performance Polyamides Market Overview by Polyamide Type | 367 |
| Volume Analysis | 352 | Chart 308: French Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 359 | Volume Analysis | 367 |
| Chart 294: French High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons | 352 | Chart 309: Glance at 2012, 2017 and 2022 French Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 359 | Chart 323: German High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons | 367 |
| Chart 295: Glance at 2012, 2017 and 2022 French High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 352 | 2.4.2 Germany | 360 | Chart 324: Glance at 2012, 2017 and 2022 German High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 367 |
| Value Analysis | 353 | Chart 310: German High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 360 | Value Analysis | 368 |
| Chart 296: French High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million | 353 | 2.4.2.1 German High Performance Plastics Market Overview by End-use Sector | 361 | Chart 325: German High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 368 |
| Chart 297: Glance at 2012, 2017 and 2022 French High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 353 | Volume Analysis | 361 | Chart 326: Glance at 2012, 2017 and 2022 German High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 368 |
| 2.4.1.2.1 French Fluoropolymers Market Overview by Fluoropolymer Type | 354 | Chart 311: German High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 361 | 2.4.2.2.3 German Sulfone Polymers Market Overview by Polymer Type | 369 |
| Volume Analysis | 354 | Chart 312: Glance at 2012, 2017 and 2022 German High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 361 | Volume Analysis | 369 |
| Chart 298: French Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons | 354 | Chart 313: German High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 362 | Chart 327: German Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 369 |
| Chart 299: Glance at 2012, 2017 and 2022 French Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 354 | Chart 314: Glance at 2012, 2017 and 2022 German High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 362 | Chart 328: Glance at 2012, 2017 and 2022 German Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 369 |
| Value Analysis | 355 | 2.4.2.2 German High Performance Plastics Market Overview by Plastic Type | 363 | Value Analysis | 370 |
| Chart 300: French Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million | 355 | Volume Analysis | 363 | Chart 329: German Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 370 |
| Chart 301: Glance at 2012, 2017 and 2022 French Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 355 | Chart 315: German High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons | 363 | Chart 330: Glance at 2012, 2017 and 2022 German Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 370 |
| 2.4.1.2.2 French High Performance Polyamides Market Overview by Polyamide Type | 356 | Chart 316: Glance at 2012, 2017 and 2022 German High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 363 | 2.4.3 Italy | 371 |
| Volume Analysis | 356 | Chart 317: German High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million | 364 | Chart 331: Italian High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 371 |
| Chart 302: French High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons | 356 | Chart 318: Glance at 2012, 2017 and 2022 German High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 364 | 2.4.3.1 Italian High Performance Plastics Market Overview by End-use Sector | 372 |
| Chart 303: Glance at 2012, 2017 and 2022 French High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 356 | 2.4.2.2.1 German Fluoropolymers Market Overview by Fluoropolymer Type | 365 | Volume Analysis | 372 |
| Value Analysis | 357 | Volume Analysis | 365 | Chart 332: Italian High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 372 |
| Chart 304: French High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 357 | Chart 319: German Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons | 365 | Chart 333: Glance at 2012, 2017 and 2022 Italian High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 372 |
| Chart 305: Glance at 2012, 2017 and 2022 French High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 357 | Chart 320: Glance at 2012, 2017 and 2022 German Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 365 | Value Analysis | 373 |
| 2.4.1.2.3 French Sulfone Polymers Market Overview by Polymer Type | 358 | 2.4.2.2.1 German Fluoropolymers Market Overview by Fluoropolymer Type | 365 | Chart 334: Italian High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 373 |
| Volume Analysis | 358 | Volume Analysis | 365 | Chart 335: Glance at 2012, 2017 and 2022 Italian High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 373 |
| Chart 306: French Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 358 | Chart 321: German Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million | 366 | 2.4.3.2 Italian High Performance Plastics Market Overview by Plastic Type | 374 |
| Chart 307: Glance at 2012, 2017 and 2022 French Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 358 | Chart 322: Glance at 2012, 2017 and 2022 German Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 366 | Volume Analysis | 374 |

| | | |
|--|--|--|
| Chart 337: Glance at 2012, 2017 and 2022 Italian High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone...374 | 2.4.4 The United Kingdom..... 382 | Chart 366: Glance at 2012, 2017 and 2022 UK High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... 389 |
| Value Analysis..... 375 | 2.4.4.1 UK High Performance Plastics Market Overview by End-use Sector 383 | Value Analysis..... 390 |
| Chart 338: Italian High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million 375 | Volume Analysis..... 383 | Chart 367: UK High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million 390 |
| Chart 339: Glance at 2012, 2017 and 2022 Italian High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone...375 | Chart 353: UK High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons 383 | Chart 368: Glance at 2012, 2017 and 2022 UK High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... 390 |
| 2.4.3.2.1 Italian Fluoropolymers Market Overview by Fluoropolymer Type..... 376 | Chart 354: Glance at 2012, 2017 and 2022 UK High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 383 | 2.4.4.2.3 UK Sulfone Polymers Market Overview by Polymer Type 391 |
| Volume Analysis..... 376 | Value Analysis..... 384 | Volume Analysis 391 |
| Chart 340: Italian Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons 376 | Chart 355: UK High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million 384 | Chart 369: UK Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... 391 |
| Chart 341: Glance at 2012, 2017 and 2022 Italian Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE 376 | Chart 356: Glance at 2012, 2017 and 2022 UK High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 384 | Chart 370: Glance at 2012, 2017 and 2022 UK Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... 391 |
| Value Analysis..... 377 | 2.4.4.2 UK High Performance Plastics Market Overview by Plastic Type 385 | Value Analysis..... 392 |
| Chart 342: Italian Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million 377 | Volume Analysis..... 385 | Chart 371: UK Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million 392 |
| Chart 343: Glance at 2012, 2017 and 2022 Italian Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE.....377 | 2.4.4.2.1 United Kingdom Fluoropolymers Market Overview by Fluoropolymer Type..... 387 | Chart 372: Glance at 2012, 2017 and 2022 UK Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... 392 |
| 2.4.3.2.2 Italian High Performance Polyamides Market Overview by Polyamide Type..... 378 | Volume Analysis..... 387 | 2.4.5 Rest of Europe 393 |
| Value Analysis..... 378 | Chart 357: UK High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons 385 | Chart 373: Rest of Europe High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 393 |
| Chart 344: Italian High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons 378 | Chart 358: Glance at 2012, 2017 and 2022 UK High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. 385 | 2.4.5.1 Rest of Europe High Performance Plastics Market Overview by End-use Sector 394 |
| Chart 345: Glance at 2012, 2017 and 2022 Italian High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 378 | Value Analysis..... 386 | Volume Analysis 394 |
| Value Analysis..... 379 | Chart 359: UK High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million 386 | Chart 374: Rest of Europe High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons 394 |
| Chart 346: Italian High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million 379 | Chart 360: Glance at 2012, 2017 and 2022 UK High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. 386 | Chart 375: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 394 |
| Chart 347: Glance at 2012, 2017 and 2022 Italian High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 379 | 2.4.4.2.1 United Kingdom Fluoropolymers Market Overview by Fluoropolymer Type..... 387 | Value Analysis..... 395 |
| Value Analysis..... 379 | Volume Analysis..... 387 | Chart 376: Rest of Europe High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million 395 |
| 2.4.3.2.3 Italian Sulfone Polymers Market Overview by Polymer Type 380 | Chart 361: UK Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons 387 | Chart 377: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other 395 |
| Volume Analysis..... 380 | Chart 362: Glance at 2012, 2017 and 2022 UK Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE 387 | 2.4.5.2 Rest of Europe High Performance Plastics Market Overview by Plastic Type 396 |
| Chart 348: Italian Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons 380 | Value Analysis..... 388 | Volume Analysis 396 |
| Chart 349: Glance at 2012, 2017 and 2022 Italian Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... 380 | Chart 363: UK Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... 388 | Chart 378: Rest of Europe High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons 396 |
| Value Analysis..... 381 | Chart 364: Glance at 2012, 2017 and 2022 UK Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE.... 388 | Chart 379: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone 396 |
| Chart 350: Italian Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million 381 | 2.4.4.2.2 UK High Performance Polyamides Market Overview by Polyamide Type..... 389 | |
| Chart 351: Glance at 2012, 2017 and 2022 Italian Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU).....381 | Volume Analysis..... 389 | |
| | Chart 365: UK High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... 389 | |

| | | | | | |
|--|-----|--|-----|---|-----|
| Value Analysis..... | 397 | 3.1 Asia-Pacific High Performance Plastics Market Overview by Geographic Region..... | 405 | Chart 409: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Volume Market Share (%) by Region - China, Japan, India, South Korea and Rest of Asia-Pacific..... | 412 |
| Chart 380: Rest of Europe High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million | 397 | Volume Analysis..... | 405 | Value Analysis..... | 413 |
| Chart 381: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 397 | Chart 395: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in Metric Tons.... | 405 | Chart 410: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Region - China, Japan, India, South Korea and Rest of Asia-Pacific in USD Million | 413 |
| 2.4.5.2.1 Rest of Europe Fluoropolymers Market Overview by Fluoropolymer Type..... | 398 | Chart 396: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Value Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC | 405 | Chart 411: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Value Market Share (%) by Region - China, Japan, India, South Korea and Rest of Asia-Pacific..... | 413 |
| Volume Analysis..... | 398 | Value Analysis..... | 406 | 3.3.1.2 Asia-Pacific Fluoropolymers Market Overview by End-use Sector | 414 |
| Chart 382: Rest of Europe Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in Metric Tons | 398 | Chart 397: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in USD Million | 406 | Volume Analysis | 414 |
| Chart 383: Glance at 2012, 2017 and 2022 Rest of Europe Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE | 398 | Chart 398: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Value Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC | 406 | Chart 412: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in Metric Tons | 414 |
| Value Analysis..... | 399 | 3.2 Asia-Pacific High Performance Plastics Market Overview by End-use Sector | 407 | Chart 413: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Volume Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 414 |
| Chart 384: Rest of Europe Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE in USD Million..... | 399 | Volume Analysis..... | 407 | Value Analysis..... | 415 |
| Chart 385: Glance at 2012, 2017 and 2022 Rest of Europe Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PVF, PCTFE and ECTFE... .. | 399 | Chart 399: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons | 407 | Chart 414: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in USD Million | 415 |
| 2.4.5.2.2 Rest of Europe High Performance Polyamides Market Overview by Polyamide Type . | 400 | Chart 400: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 407 | Chart 415: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Value Market Share (%) by End-use Sector - Chemical Processing, Electricals & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 415 |
| Volume Analysis..... | 400 | Value Analysis..... | 408 | 3.3.1.3 Asia-Pacific Fluoropolymers Market Overview by Fluoropolymer Type..... | 416 |
| Chart 386: Rest of Europe High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons | 400 | Chart 401: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 408 | Volume Analysis | 416 |
| Chart 387: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Polyamides Volume Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 400 | Chart 402: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other | 408 | Chart 416: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons | 416 |
| Value Analysis..... | 401 | 3.3 Asia-Pacific High Performance Plastics Market Overview by Plastic Type | 409 | Chart 417: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 416 |
| Chart 388: Rest of Europe High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million | 401 | Volume Analysis..... | 409 | Value Analysis..... | 417 |
| Chart 389: Glance at 2012, 2017 and 2022 Rest of Europe High Performance Polyamides Value Market Share (%) by Polyamide Type - Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 | 401 | Chart 403: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons | 409 | Chart 418: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... | 417 |
| 2.4.5.2.3 Rest of Europe Sulfone Polymers Market Overview by Polymer Type | 402 | Chart 404: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 409 | Chart 419: Glance at 2012, 2017 and 2022 Asia-Pacific Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE ... | 417 |
| Volume Analysis..... | 402 | Value Analysis..... | 410 | 3.3.2 High Performance Polyamides | 418 |
| Chart 390: Rest of Europe Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons | 402 | Chart 405: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million | 410 | Chart 420: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 418 |
| Chart 391: Glance at 2012, 2017 and 2022 Rest of Europe Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) | 402 | Chart 406: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone | 410 | 3.3.2.1 Asia-Pacific High Performance Polyamides Market Overview by Geographic Region | 419 |
| Value Analysis..... | 43 | Chart 407: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 411 | Volume Analysis | 419 |
| Chart 392: Rest of Europe Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million | 403 | 3.3.1.1 Asia-Pacific Fluoropolymers Market Overview by Geographic Region | 412 | Chart 421: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Geographic Region – China, India, Japan, South Korea and Rest of Asia-Pacific in Metric Tons | 419 |
| Chart 393: Glance at 2012, 2017 and 2022 Rest of Europe Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 403 | Volume Analysis..... | 412 | Chart 422: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Volume Market Share (%) by Geographic Region – China, India, Japan, South Korea and Rest of Asia-Pacific..... | 419 |
| 3. ASIA-PACIFIC..... | 404 | Chart 408: Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Region - China, Japan, India, South Korea and Rest of Asia-Pacific in Metric Tons..... | 412 | Value Analysis..... | 420 |
| Chart 394: Asia-Pacific High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 404 | 3.3.2.2 Asia-Pacific High Performance Polyamides Market Overview by End-Use Sector | 421 | Chart 423: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Geographic Region – China, India, Japan, South Korea and Rest of Asia-Pacific in USD Million..... | 420 |
| | | | | Chart 424: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Value Market Share (%) by Geographic Region – China, India, Japan, South Korea and Rest of Asia-Pacific | 420 |

| | | | | | |
|---|-----|--|-----|--|-----|
| Volume Analysis..... | 421 | Value Analysis..... | 429 | Chart 455: Asia-Pacific Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 437 |
| Chart 425: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 421 | Chart 440: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in USD Million..... | 429 | 3.3.5.1 Asia-Pacific Liquid Crystal Polymers (LCP) Market Overview by Geographic Region..... | 438 |
| Chart 426: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Volume Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 421 | Chart 441: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Value Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others..... | 429 | Volume Analysis..... | 438 |
| Value Analysis..... | 422 | 3.3.3.3 Asia-Pacific Sulfone Polymers Market Overview by Polymer Type..... | 430 | Chart 456: Asia-Pacific Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by Region – China, Japan, South Korea and Rest of Asia-Pacific in Metric Tons..... | 438 |
| Chart 427: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 422 | Volume Analysis..... | 430 | Chart 457: Glance at 2012, 2017 and 2022 Asia-Pacific Liquid Crystal Polymers (LCP) Volume Market Share (%) by Region – China, Japan, South Korea and Rest of Asia-Pacific..... | 438 |
| Chart 428: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 422 | Chart 442: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 430 | Value Analysis..... | 439 |
| 3.3.2.3 Asia-Pacific High Performance Polyamides Market Overview by Polyamide Type..... | 423 | Chart 443: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 430 | Chart 458: Asia-Pacific Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by Region – China, Japan, South Korea and Rest of Asia-Pacific in USD Million..... | 439 |
| Volume Analysis..... | 423 | Value Analysis..... | 431 | Chart 459: Glance at 2012, 2017 and 2022 Asia-Pacific Liquid Crystal Polymers (LCP) Value Market Share (%) by Region – China, Japan, South Korea and Rest of Asia-Pacific..... | 439 |
| Chart 429: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 423 | Chart 444: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 431 | 3.3.5.2 Asia-Pacific Liquid Crystal Polymers (LCP) Market Overview by End-use Sector..... | 440 |
| Chart 430: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Volume Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 423 | Chart 445: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 431 | Volume Analysis..... | 440 |
| Value Analysis..... | 424 | 3.3.4 Polyphenylene Sulphide..... | 432 | Chart 460: Asia-Pacific Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others in Metric Tons..... | 440 |
| Chart 431: Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 424 | Chart 446: Asia-Pacific Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 432 | Chart 461: Glance at 2012, 2017 and 2022 Asia-Pacific Liquid Crystal Polymers (LCP) Volume Market Share (%) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others..... | 440 |
| Chart 432: Glance at 2012, 2017 and 2022 Asia-Pacific High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 424 | 3.3.4.1 Asia-Pacific Polyphenylene Sulphide (PPS) Market Overview by Geographic Region..... | 433 | Value Analysis..... | 441 |
| 3.3.3 Sulfone Polymers..... | 425 | Volume Analysis..... | 433 | Chart 462: Asia-Pacific Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others in USD Million..... | 441 |
| Chart 433: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 425 | Chart 447: Asia-Pacific Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in Metric Tons..... | 433 | Chart 463: Glance at 2012, 2017 and 2022 Asia-Pacific Liquid Crystal Polymers (LCP) Value Market Share (%) by End-use Sector – Electrical & Electronics, Automotive, Industrial and Others..... | 441 |
| 3.3.3.1 Asia-Pacific Sulfone Polymers Market Overview by Geographic Region..... | 426 | Chart 448: Glance at 2012, 2017 and 2022 Asia-Pacific Polyphenylene Sulphide (PPS) Volume Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 433 | 3.3.6 Polyetherimide..... | 442 |
| Volume Analysis..... | 426 | Value Analysis..... | 434 | Chart 464: Asia-Pacific Polyetherimide (PEI) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 442 |
| Chart 434: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea and Rest of Asia-Pacific in Metric Tons..... | 426 | Chart 449: Asia-Pacific Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in USD Million..... | 434 | 3.3.6.1 Asia-Pacific Polyetherimide (PEI) Market Overview by Geographic Region..... | 443 |
| Chart 435: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Volume Market Share (%) by Geographic Region – China, Japan, South Korea and Rest of Asia-Pacific..... | 426 | Chart 450: Glance at 2012, 2017 and 2022 Asia-Pacific Polyphenylene Sulphide (PPS) Value Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 434 | Volume Analysis..... | 443 |
| Value Analysis..... | 427 | 3.3.4.2 Asia-Pacific Polyphenylene Sulphide (PPS) Market Overview by End-use Sector..... | 435 | Chart 465: Asia-Pacific Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in Metric Tons..... | 443 |
| Chart 436: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Geographic Region – China, Japan, South Korea and Rest of Asia-Pacific in USD Million..... | 427 | Volume Analysis..... | 435 | Chart 466: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetherimide (PEI) Volume Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 443 |
| Chart 437: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Value Market Share (%) by Geographic Region – China, Japan, South Korea and Rest of Asia-Pacific..... | 427 | Chart 451: Asia-Pacific Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 435 | Value Analysis..... | 444 |
| 3.3.3.2 Asia-Pacific Sulfone Polymers Market Overview by End-Use Sector..... | 428 | Chart 452: Glance at 2012, 2017 and 2022 Asia-Pacific Polyphenylene Sulphide (PPS) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 435 | Chart 467: Asia-Pacific Polyetherimide (PEI) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in USD Million..... | 444 |
| Volume Analysis..... | 428 | Value Analysis..... | 436 | Chart 468: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetherimide (PEI) Value Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 444 |
| Chart 438: Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons..... | 428 | Chart 453: Asia-Pacific Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 436 | 3.3.6.2 Asia-Pacific Polyetherimide (PEI) Market Overview by End-use Sector..... | 445 |
| Chart 439: Glance at 2012, 2017 and 2022 Asia-Pacific Sulfone Polymers Volume Market Share (%) by End-Use Sector – Aerospace & Military, Automotive, Building & Construction, Electrical & Electronics, Food & Household, Mechanical/Industrial, Medical & Healthcare and Others..... | 428 | Chart 454: Glance at 2012, 2017 and 2022 Asia-Pacific Polyphenylene Sulphide (PPS) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 436 | Volume Analysis..... | 445 |
| | | 3.3.5 Liquid Crystal Polymers..... | 437 | Chart 469: Asia-Pacific Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in Metric Tons..... | 445 |
| | | | | Chart 470: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetherimide (PEI) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others..... | 445 |

| | | | | | |
|---|-----|---|-----|--|-----|
| Value Analysis..... | 446 | Value Analysis..... | 454 | 3.4.1.2.3 Chinese Sulfone Polymers Market Overview by Polymer Type..... | 461 |
| Chart 471: Asia-Pacific Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others in USD Million..... | 446 | Chart 485: Chinese High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 454 | Volume Analysis..... | 461 |
| Chart 472: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetherimide (PEI) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Consumer Goods, Aerospace & Military and Others..... | 446 | Chart 486: Glance at 2012, 2017 and 2022 Chinese High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 454 | Chart 499: Chinese Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 461 |
| 3.3.7 Polyetheretherketone..... | 447 | 3.4.1.2 Chinese High Performance Plastics Market Overview by Plastic Type..... | 455 | Chart 500: Glance at 2012, 2017 and 2022 Chinese Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 461 |
| Chart 473: Asia-Pacific Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 447 | Volume Analysis..... | 455 | Chart 501: Chinese Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 462 |
| 3.3.7.1 Asia-Pacific Polyetheretherketone (PEEK) Market Overview by Geographic Region..... | 448 | Chart 487: Chinese High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 455 | Chart 502: Glance at 2012, 2017 and 2022 Chinese Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 462 |
| Value Analysis..... | 448 | Chart 488: Glance at 2012, 2017 and 2022 Chinese High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. | 455 | Value Analysis..... | 462 |
| Chart 474: Asia-Pacific Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in Metric Tons..... | 448 | Value Analysis..... | 456 | Chart 501: Chinese Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 462 |
| Chart 475: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetheretherketone (PEEK) Volume Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 448 | Chart 489: Chinese High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 456 | Chart 502: Glance at 2012, 2017 and 2022 Chinese Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 462 |
| Value Analysis..... | 449 | Chart 490: Glance at 2012, 2017 and 2022 Chinese High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. | 456 | 3.4.2 India..... | 463 |
| Chart 476: Asia-Pacific Polyetheretherketone (PEEK) Market Analysis (2012-2022) by Geographic Region - China, India, Japan, South Korea and Rest of APAC in USD Million..... | 449 | 3.4.1.2.1 Chinese Fluoropolymers Market Overview by Fluoropolymer Type..... | 457 | Chart 503: Indian High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 463 |
| Chart 477: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetheretherketone (PEEK) Value Market Share (%) by Geographic Region - China, India, Japan, South Korea and Rest of APAC..... | 449 | Volume Analysis..... | 457 | 3.4.2.1 Indian High Performance Plastics Market Overview by End-use Sector..... | 464 |
| 3.3.7.2 Asia-Pacific Polyetheretherketone (PEEK) Market Overview by End-use Sector..... | 450 | Chart 491: Chinese Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons..... | 457 | Volume Analysis..... | 464 |
| Value Analysis..... | 450 | Chart 492: Glance at 2012, 2017 and 2022 Chinese Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 457 | Chart 504: Indian High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 464 |
| Chart 478: Asia-Pacific Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in Metric Tons..... | 450 | Value Analysis..... | 458 | Chart 505: Glance at 2012, 2017 and 2022 Indian High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 464 |
| Chart 479: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others..... | 450 | Chart 493: Chinese Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... | 458 | Value Analysis..... | 465 |
| Value Analysis..... | 451 | Chart 494: Glance at 2012, 2017 and 2022 Chinese Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE.... | 458 | Chart 506: Indian High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 465 |
| Chart 480: Asia-Pacific Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others in USD Million..... | 451 | 3.4.1.2.2 Chinese High Performance Polyamides Market Overview by Polyamide Type..... | 459 | Chart 507: Glance at 2012, 2017 and 2022 Indian High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 465 |
| Chart 481: Glance at 2012, 2017 and 2022 Asia-Pacific Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare, Aerospace & Military and Others..... | 451 | Volume Analysis..... | 459 | Chart 508: Indian High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 466 |
| 3.4 Asia-Pacific High Performance Plastics Market Overview by Country..... | 452 | Chart 495: Chinese High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 459 | Chart 509: Glance at 2012, 2017 and 2022 Indian High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. | 466 |
| 3.4.1 China..... | 452 | Chart 496: Glance at 2012, 2017 and 2022 Chinese High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 459 | Value Analysis..... | 467 |
| Chart 482: Chinese High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 452 | Value Analysis..... | 460 | Chart 510: Indian High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 467 |
| 3.4.1.1 Chinese High Performance Plastics Market Overview by End-use Sector..... | 453 | Chart 497: Chinese High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 460 | Chart 511: Glance at 2012, 2017 and 2022 Indian High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone .. | 467 |
| Volume Analysis..... | 453 | Chart 498: Glance at 2012, 2017 and 2022 Chinese High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 460 | | |
| Chart 483: Chinese High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 453 | | | | |
| Chart 484: Glance at 2012, 2017 and 2022 Chinese High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 453 | | | | |

| | | | | | |
|---|-----|---|-----|---|-----|
| 3.4.2.2.1 Indian Fluoropolymers Market Overview by Fluoropolymer Type..... | 468 | Value Analysis..... | 476 | 3.4.3.2.3 Japanese Sulfone Polymers Market Overview by Polymer Type..... | 483 |
| Volume Analysis..... | 468 | Chart 527: Japanese High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 476 | Volume Analysis..... | 483 |
| Chart 512: Indian Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA and ECTFE in Metric Tons..... | 468 | Chart 528: Glance at 2012, 2017 and 2022 Japanese High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 476 | Chart 541: Japanese Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 483 |
| Chart 513: Glance at 2012, 2017 and 2022 Indian Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA and ECTFE..... | 468 | 3.4.3.2 Japanese High Performance Plastics Market Overview by Plastic Type..... | 477 | Chart 542: Glance at 2012, 2017 and 2022 Japanese Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 483 |
| Value Analysis..... | 469 | Volume Analysis..... | 477 | Value Analysis..... | 484 |
| Chart 514: Indian Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA and ECTFE in USD Million..... | 469 | Chart 529: Japanese High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 477 | Chart 543: Japanese Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 484 |
| Chart 515: Glance at 2012, 2017 and 2022 Indian Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA and ECTFE..... | 469 | 3.4.3.2.1 Japanese Fluoropolymers Market Overview by Fluoropolymer Type..... | 479 | Chart 544: Glance at 2012, 2017 and 2022 Japanese Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 484 |
| 3.4.2.2.2 Indian High Performance Polyamides Market Overview by Polyamide Type..... | 470 | Volume Analysis..... | 478 | 3.4.4 South Korea..... | 485 |
| Volume Analysis..... | 470 | Chart 531: Japanese High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 478 | Chart 545: South Korean High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 485 |
| Chart 516: Indian High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 470 | Chart 532: Glance at 2012, 2017 and 2022 Japanese High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 478 | 3.4.4.1 South Korean High Performance Plastics Market Overview by End-use Sector..... | 486 |
| Chart 517: Glance at 2012, 2017 and 2022 Indian High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 470 | Chart 533: Japanese Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons..... | 479 | Volume Analysis..... | 486 |
| Value Analysis..... | 471 | Chart 534: Glance at 2012, 2017 and 2022 Japanese Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 479 | Chart 546: South Korean High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 486 |
| Chart 518: Indian High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 471 | Value Analysis..... | 480 | Chart 547: Glance at 2012, 2017 and 2022 South Korean High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 486 |
| Chart 519: Glance at 2012, 2017 and 2022 Indian High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 471 | Chart 535: Japanese Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... | 480 | Chart 548: South Korean High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 487 |
| 3.4.2.2.3 Indian Sulfone Polymers Market Overview by Polymer Type..... | 472 | Chart 536: Glance at 2012, 2017 and 2022 Japanese Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 480 | Chart 549: Glance at 2012, 2017 and 2022 South Korean High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 487 |
| Volume Analysis..... | 472 | 3.4.3.2.2 Japanese High Performance Polyamides Market Overview by Polyamide Type..... | 481 | Value Analysis..... | 487 |
| Chart 520: Indian Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 472 | Volume Analysis..... | 481 | Chart 550: South Korean High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 488 |
| Chart 521: Glance at 2012, 2017 and 2022 Indian Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 472 | Chart 537: Japanese High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 481 | Chart 551: Glance at 2012, 2017 and 2022 South Korean High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 488 |
| Value Analysis..... | 473 | Chart 538: Glance at 2012, 2017 and 2022 Japanese High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 481 | Value Analysis..... | 489 |
| Chart 522: Indian Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 473 | Value Analysis..... | 482 | Chart 552: South Korean High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 489 |
| Chart 523: Glance at 2012, 2017 and 2022 Indian Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 473 | Chart 539: Japanese High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 482 | Chart 553: Glance at 2012, 2017 and 2022 South Korean High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 489 |
| 3.4.3 Japan..... | 474 | Chart 540: Glance at 2012, 2017 and 2022 Japanese High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 482 | | |
| Chart 524: Japanese High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 474 | | | | |
| 3.4.3.1 Japanese High Performance Plastics Market Overview by End-use Sector..... | 475 | | | | |
| Volume Analysis..... | 475 | | | | |
| Chart 525: Japanese High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 475 | | | | |
| Chart 526: Glance at 2012, 2017 and 2022 Japanese High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 475 | | | | |

| | | | | | |
|--|-----|--|-----|---|-----|
| 3.4.4.2.1 South Korean Fluoropolymers Market Overview by Fluoropolymer Type..... | 490 | Value Analysis..... | 498 | 3.4.5.2.3 Rest of Asia-Pacific Sulfone Polymers Market Overview by Polymer Type..... | 505 |
| Volume Analysis..... | 490 | Chart 569: Rest of APAC High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 498 | Volume Analysis..... | 505 |
| Chart 554: South Korean Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons..... | 490 | Chart 570: Glance at 2012, 2017 and 2022 Rest of APAC High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 498 | Chart 583: Rest of Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 505 |
| Chart 555: Glance at 2012, 2017 and 2022 South Korean Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 490 | 3.4.5.2 Rest of APAC High Performance Plastics Market Overview by Plastic Type..... | 499 | Volume Analysis..... | 505 |
| Value Analysis..... | 491 | Volume Analysis..... | 499 | Chart 584: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 505 |
| Chart 556: South Korean Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... | 491 | Chart 571: Rest of APAC High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 499 | Value Analysis..... | 506 |
| Chart 557: Glance at 2012, 2017 and 2022 South Korean Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 491 | Chart 572: Glance at 2012, 2017 and 2022 Rest of APAC High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 499 | Chart 585: Rest of Asia-Pacific Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 506 |
| 3.4.4.2.2 South Korean High Performance Polyamides Market Overview by Polyamide Type..... | 492 | Value Analysis..... | 500 | Chart 586: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 506 |
| Volume Analysis..... | 492 | Chart 573: Rest of APAC High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 500 | 4. REST OF WORLD..... | 507 |
| Chart 558: South Korean High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 492 | Chart 574: Glance at 2012, 2017 and 2022 Rest of APAC High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 500 | Chart 587: Rest of World High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 507 |
| Chart 559: Glance at 2012, 2017 and 2022 South Korean High Performance Polyamides Volume Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 492 | 3.4.5.2.1 Rest of Asia-Pacific Fluoropolymers Market Overview by Fluoropolymer Type..... | 501 | 4.1 Rest of World High Performance Plastics Market Overview by End-use Sector..... | 508 |
| Value Analysis..... | 493 | Volume Analysis..... | 501 | Volume Analysis..... | 508 |
| Chart 560: South Korean High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 493 | Chart 575: Rest of Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in Metric Tons..... | 501 | Chart 588: Rest of World High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 508 |
| Chart 561: Glance at 2012, 2017 and 2022 South Korean High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 493 | Chart 576: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 501 | Chart 589: Glance at 2012, 2017 and 2022 Rest of World High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 508 |
| 3.4.4.2.3 South Korean Sulfone Polymers Market Overview by Polymer Type..... | 494 | Value Analysis..... | 502 | Value Analysis..... | 509 |
| Volume Analysis..... | 494 | Chart 577: Rest of Asia-Pacific Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE in USD Million..... | 502 | Chart 590: Rest of World High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 509 |
| Chart 562: South Korean Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in Metric Tons..... | 494 | Chart 578: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE, PFA, PCTFE and ECTFE..... | 502 | Chart 591: Glance at 2012, 2017 and 2022 Rest of World High Performance Plastics Value Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 509 |
| Chart 563: Glance at 2012, 2017 and 2022 South Korean Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 494 | 3.4.5.2.2 Rest of Asia-Pacific High Performance Polyamides Market Overview by Polyamide Type..... | 503 | 4.2 Rest of World High Performance Plastics Market Overview by Plastic Type..... | 510 |
| Value Analysis..... | 495 | Volume Analysis..... | 503 | Volume Analysis..... | 510 |
| Chart 564: South Korean Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU) in USD Million..... | 495 | Chart 579: Rest of Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 503 | Chart 592: Rest of World High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in Metric Tons..... | 510 |
| Chart 565: Glance at 2012, 2017 and 2022 South Korean Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU), Polyphenylsulfone (PPSU) and Polyethersulfone (PESU)..... | 495 | Chart 580: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Performance Polyamides Volume Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 503 | Chart 593: Glance at 2012, 2017 and 2022 Rest of World High Performance Plastics Volume Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 510 |
| 3.4.5 Rest of APAC..... | 496 | Value Analysis..... | 504 | Value Analysis..... | 511 |
| Chart 566: Rest of APAC High Performance Plastics Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 496 | Chart 581: Rest of Asia-Pacific High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6 in USD Million..... | 504 | Chart 594: Rest of World High Performance Plastics Market Analysis (2012-2022) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone in USD Million..... | 511 |
| 3.4.5.1 Rest of APAC High Performance Plastics Market Overview by End-use Sector..... | 497 | Chart 582: Glance at 2012, 2017 and 2022 Rest of Asia-Pacific High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46, Polyamide 9T and Polyarylamide/Polyamide MXD6..... | 504 | Chart 595: Glance at 2012, 2017 and 2022 Rest of World High Performance Plastics Value Market Share (%) by Plastic Type - Fluoropolymers, High Performance Polyamides, Sulfone Polymers, Polyphenylene Sulphide, Liquid Crystal Polymers, Polyetherimide and Polyetheretherketone..... | 511 |
| Volume Analysis..... | 497 | 3.4.5.1 Rest of APAC High Performance Plastics Market Overview by End-use Sector..... | 497 | | |
| Chart 567: Rest of APAC High Performance Plastics Market Analysis (2012-2022) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 497 | Volume Analysis..... | 497 | | |
| Chart 568: Glance at 2012, 2017 and 2022 Rest of APAC High Performance Plastics Volume Market Share (%) by End-use Sector - Automotive & Transportation, Building & Construction, Consumer Goods, Electrical & Electronics, Mechanical/Industrial and Other..... | 497 | | | | |

| | | | | | |
|---|-----|---|-----|---|-----|
| 4.2.1 Fluoropolymers..... | 512 | Value Analysis..... | 521 | 4.2.5.1 Rest of World Liquid Crystal Polymers (LCP) | |
| Chart 596: Rest of World Fluoropolymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 512 | Chart 612: Rest of World High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46 and Polyarylamide/Polyamide MXD6 in USD Million..... | 521 | Market Overview by End-use Sector | 531 |
| 4.2.1.1 Rest of World Fluoropolymers Market | | Chart 613: Glance at 2012, 2017 and 2022 Rest of World High Performance Polyamides Value Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46 and Polyarylamide/Polyamide MXD6..... | 521 | Volume Analysis | 531 |
| Overview by End-use Sector | 513 | 4.2.3 Sulfone Polymers | 522 | Chart 629: Rest of World Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Industrial and Others in Metric Tons..... | 531 |
| Volume Analysis..... | 513 | Chart 614: Rest of World Sulfone Polymers Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) 522 | | Chart 630: Glance at 2012, 2017 and 2022 Rest of World Liquid Crystal Polymers (LCP) Volume Market Share (%) by End-use Sector – Electrical & Electronics, Industrial and Others | 531 |
| Chart 597: Rest of World Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in Metric Tons..... | 513 | 4.2.3.1 Rest of World Sulfone Polymers Market | | Value Analysis..... | 532 |
| Chart 598: Glance at 2012, 2017 and 2022 Rest of World Fluoropolymers Volume Market Share (%) by End-use Sector - Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 513 | Overview by End-Use Sector..... | 523 | Chart 631: Rest of World Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) by End-use Sector – Electrical & Electronics, Industrial and Others in USD Million..... | 532 |
| Value Analysis..... | 514 | Volume Analysis..... | 523 | Chart 632: Glance at 2012, 2017 and 2022 Rest of World Liquid Crystal Polymers (LCP) Value Market Share (%) by End-use Sector – Electrical & Electronics, Industrial and Others | 532 |
| Chart 599: Rest of World Fluoropolymers Market Analysis (2012-2022) by End-use Sector - Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others in USD Million..... | 514 | Chart 615: Rest of World Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare and Others in Metric Tons | 523 | 4.2.6 Polyetherimide | 533 |
| Chart 600: Glance at 2012, 2017 and 2022 Rest of World Fluoropolymers Value Market Share (%) by End-use Sector - Chemical Processing, Electrical & Electronics, Mechanical/Industrial, Automotive & Transportation, Building & Construction and Others | 514 | Chart 616: Glance at 2012, 2017 and 2022 Rest of World Sulfone Polymers Volume Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare and Others 523 | | Chart 633: Rest of World Polyetherimide (PEI) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 533 |
| 4.2.1.2 Rest of World Fluoropolymers Market | | Value Analysis..... | 524 | 4.2.6.1 Rest of World Polyetherimide (PEI) Market | |
| Overview by Fluoropolymer Type..... | 515 | Chart 617: Rest of World Sulfone Polymers Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare and Others in USD Million..... | 524 | Overview by End-use Sector | 534 |
| Volume Analysis..... | 515 | Chart 618: Glance at 2012, 2017 and 2022 Rest of World Sulfone Polymers Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial, Medical & Healthcare and Others..... | 524 | Volume Analysis | 534 |
| Chart 601: Rest of World Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE and PFA in Metric Tons | 515 | 4.2.3.2 Rest of World Sulfone Polymers Market | | Chart 634: Rest of World Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others in Metric Tons | 534 |
| Chart 602: Glance at 2012, 2017 and 2022 Rest of World Fluoropolymers Volume Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE and PFA..... | 515 | Overview by Polymer Type | 525 | Chart 635: Glance at 2012, 2017 and 2022 Rest of World Polyetherimide (PEI) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others | 534 |
| Value Analysis..... | 516 | Volume Analysis..... | 525 | Value Analysis..... | 535 |
| Chart 603: Rest of World Fluoropolymers Market Analysis (2012-2022) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE and PFA in USD Million..... | 516 | Chart 619: Rest of World Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU) and Polyethersulfone (PESU) in Metric Tons..... | 525 | Chart 636: Rest of World Polyetherimide (PEI) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others in USD Million..... | 535 |
| Chart 604: Glance at 2012, 2017 and 2022 Rest of World Fluoropolymers Value Market Share (%) by Fluoropolymer Type - PTFE, FEP, PVDF, ETFE and PFA..... | 516 | Chart 620: Glance at 2012, 2017 and 2022 Rest of World Sulfone Polymers Volume Market Share (%) by Polymer Type – Polysulfone (PSU) and Polyethersulfone (PESU) 525 | | Chart 637: Glance at 2012, 2017 and 2022 Rest of World Polyetherimide (PEI) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others | 535 |
| 4.2.2 High Performance Polyamides | 517 | Value Analysis..... | 526 | 4.2.7 Polyetheretherketone..... | 536 |
| Chart 605: Rest of World High Performance Polyamides Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 517 | Chart 621: Rest of World Sulfone Polymers Market Analysis (2012-2022) by Polymer Type – Polysulfone (PSU) and Polyethersulfone (PESU) in USD Million | 526 | Chart 638: Rest of World Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million) | 536 |
| 4.2.2.1 Rest of World High Performance Polyamides | | Chart 622: Glance at 2012, 2017 and 2022 Rest of World Sulfone Polymers Value Market Share (%) by Polymer Type – Polysulfone (PSU) and Polyethersulfone (PESU)..... | 526 | 4.2.7.1 Rest of World Polyetheretherketone (PEEK) | |
| Market Overview by End-Use Sector | 518 | 4.2.4 Polyphenylene Sulphide..... | 527 | Market Overview by End-use Sector | 537 |
| Volume Analysis..... | 518 | Chart 623: Rest of World Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 527 | Volume Analysis | 537 |
| Chart 606: Rest of World High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 518 | 4.2.4.1 Rest of World Polyphenylene Sulphide (PPS) | | Chart 639: Rest of World Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others in Metric Tons..... | 537 |
| Chart 607: Glance at 2012, 2017 and 2022 Rest of World High Performance Polyamides Volume Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 518 | Market Overview by End-use Sector | 528 | Chart 640: Glance at 2012, 2017 and 2022 Rest of World Polyetheretherketone (PEEK) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others | 537 |
| Value Analysis..... | 519 | Volume Analysis..... | 528 | Value Analysis..... | 538 |
| Chart 608: Rest of World High Performance Polyamides Market Analysis (2012-2022) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million | 519 | Chart 624: Rest of World Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in Metric Tons..... | 528 | Chart 641: Rest of World Polyetheretherketone (PEEK) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others in USD Million | 538 |
| Chart 609: Glance at 2012, 2017 and 2022 Rest of World High Performance Polyamides Value Market Share (%) by End-Use Sector – Automotive, Electrical & Electronics, Mechanical/Industrial and Other..... | 519 | Chart 625: Glance at 2012, 2017 and 2022 Rest of World Polyphenylene Sulphide (PPS) Volume Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 528 | Chart 642: Glance at 2012, 2017 and 2022 Rest of World Polyetheretherketone (PEEK) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Others | 538 |
| 4.2.2.2 Rest of World High Performance Polyamides | | Value Analysis..... | 529 | 4.2.7.1 Rest of World Polyetheretherketone (PEEK) | |
| Market Overview by Polyamide Type | 520 | Chart 626: Rest of World Polyphenylene Sulphide (PPS) Market Analysis (2012-2022) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other in USD Million..... | 529 | Market Overview by End-use Sector | 539 |
| Volume Analysis..... | 520 | Chart 627: Glance at 2012, 2017 and 2022 Rest of World Polyphenylene Sulphide (PPS) Value Market Share (%) by End-use Sector - Automotive, Electrical & Electronics, Mechanical/Industrial and Other | 529 | Volume Analysis | 539 |
| Chart 610: Rest of World High Performance Polyamides Market Analysis (2012-2022) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46 and Polyarylamide/Polyamide MXD6 in Metric Tons..... | 520 | 4.2.5 Liquid Crystal Polymers..... | 530 | Chart 643: Rest of World Polyetheretherketone (PEEK) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 539 |
| Chart 611: Glance at 2012, 2017 and 2022 Rest of World High Performance Polyamides Volume Market Share (%) by Polyamide Type – Polyamide 11 & 12, Polyphthalamide/Polyamide 6T, Polyamide 46and Polyarylamide/Polyamide MXD6..... | 520 | Chart 628: Rest of World Liquid Crystal Polymers (LCP) Market Analysis (2012-2022) in Volume (Metric Tons) and Value (USD Million)..... | 530 | | |

PART C: GUIDE TO THE INDUSTRY.....539

1. High Performance Plastics Producers
2. Independent High Performance Plastics Compounding and Processors

PART D: ANNEXURE.....557

1. RESEARCH METHODOLOGY
2. FEEDBACK

Browse Other Comprehensive Reports in the High Performance Plastics Series

- Ø High Performance Polyamides – A Global Market Overview
- Ø Sulfone Polymers (PSU, PPSU & PESU) – A Global Market Overview
- Ø Liquid Crystal Polymers (LCP) – A Global Market Overview
- Ø Polyphenylene Sulfide (PPS) – A Global Market Overview
- Ø Global Fluoropolymers Market – Products, Technologies and Applications
- Ø Polyvinylidene Fluoride (PVDF) – A Global Market Overview
- Ø Fluorinated Ethylene Propylene (FEP) – A Global Market Overview
- Ø Polytetrafluoroethylene (PTFE) – A Global Market Overview

About Industry Experts

Industry Experts values the most updated and accurate market research and industry analysis to provide unique market research reports for a broad range of industry verticals including Automotive, Transportation, Healthcare, Pharmaceuticals, Food & Beverages, Chemicals, Plastics, Materials, Consumer Goods, Retail, Biotechnology, Construction, Manufacturing and Other industries. Our research reports help our clients to identify and resolve topical issues by providing a complete picture of the market in their respective industry sectors. The Company's rich collection of market research reports enables the companies to explore market drivers; forecast the future market; and to formulate the right strategies at the right time.

Industry Experts' leading edge publications makes the life easy for corporate strategists, investors, analysts and researchers, start ups, consultants, financial and banking executives, academicians and many more. The company also provides customized research reports to cater the needs of the industry.

[More about Industry Experts](#)

Industry Experts
Redefines Business Acumen

INDUSTRY EXPERTS

1-7-19/C, Street No. 8, Habsiguda

Hyderabad – 500007, India

Phone: +91-40-4018-1314

Fax: +91-40-4027-2381

info@industry-experts.com

industry-experts.com