

Medical Plastics – A Global Market Overview

“The report reviews, analyzes and projects the global market for Medical Plastics for the period 2017-2026. Medical Plastics types analyzed in the study include Standard Plastics, Engineering Plastics, High Performance Plastics, Silicones and Other Plastics. This study analyzes the Medical Plastics market for applications consisting of Medical Disposables, Diagnostic Equipment, Drug Delivery & Feeding Devices, Surgical Equipment and Other applications.”

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Report Synopsis

The growth of plastics in medical devices has transformed the marketplace, with plastic medical devices steadily replacing other material such as glass, ceramics, and metals, wherever applicable. Plastics are widely used in medical devices like disposable syringes, intravenous blood bags, optical and dental products, MRIs, heart valves, contact lenses, prosthetic devices, and many more medical products. Medical-grade plastics are used more and more in medical devices for their high performance, lightweight, and lower costs.

During Covid-19 outbreak, increased requirements of Personal Protective Equipment (PPE) will boost the consumption of standard plastics such as medical-grade polypropylene, polyethylene, and drive market demand. Other prominent medical-grade plastics include medical-grade PVC and HDPE medical grade. The overall global market for Medical Plastics is expected to reach US\$28 billion in 2020.

- Graphite Nanoplatelets on Plastic Medical Devices Kill 99.99% of Bacteria
- Plastic Collimators to Replace Metal Collimators
- Novel Plastic Sensor to Monitor Neurodegenerative Diseases
- Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments
- Major companies profiled – 30
- The industry guide includes the contact details for 134 companies

Product Outline

The market for key product types of Medical Plastics studied in this report comprise the following:

- Standard Plastics
- Engineering Plastics
- High Performance Plastics
- Silicone
- Other

The report analyzes the market for the following applications of Medical Plastics:

- Medical Disposables
- Diagnostic Equipment
- Drug Delivery & Feeding Devices
- Surgical Equipment
- Other

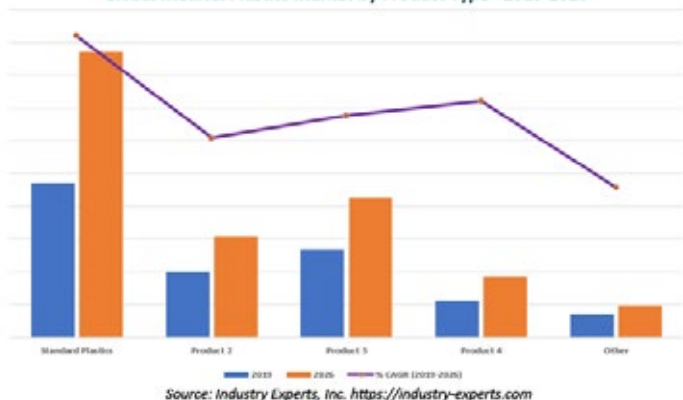
Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Medical Plastics market for the period 2017-2026 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2019 through 2026 and focus on y-o-y growth rate for 2019 and 2020.

Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, Spain, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (Asia-Pacific – China, India, Japan, South Korea and Rest of Asia-Pacific)
- **South America** (Argentina, Brazil and Rest of South America)
- **Rest of World**

Global Medical Plastics Market by Product Type - 2019-2026



Research Findings & Coverage

- This global market research report on Medical Plastics analyzes the market with respect to product types and applications
- Medical Plastics market size is estimated in this report by product types and application across all major regions/countries
- Rapid Rise in the Demand for Medical Plastics in Ventilators amid COVID-19 Pandemic

SAMPLE COMPANY PROFILE

CELANESE CORPORATION (UNITED STATES)

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 Website: www.celanese.com

Business Profile

Celanese Corporation is engaged in manufacturing and marketing of chemicals and specialty materials worldwide. The product portfolio of the company comprises of acetyl, acetate, vinyl emulsion, and engineered polymers. The company operates through six business segments, engineered materials, cellulose derivatives, intermediate chemistry, food ingredients, EVA polymers and emulsion polymers. Celanese EVA (ethylene vinyl acetate) polymers segment offers Ateva® EVA copolymers, Ateva® G medical-grade EVA copolymers, VitalDose® pharmaceutical EVA-based excipients. On August 1, 2009, AT Plastics, Inc. turned into Celanese Ethylene Vinyl Acetate (EVA) Performance Polymers, Inc. The company was established in 1918 and headquartered in Irving, Texas. The company has 30 global production facilities and an additional 9 strategic affiliate production facilities in North America, Europe and Asia.

Product Portfolio

Products	Particulars
ATEVA® G EVA	Ateva® G ethylene vinyl acetate (EVA) grades are biocompatible, stable and exhibit excellent resistance to tissue growth. These products are USP Class VI standards certified. These products are used in medical plastic applications such as anesthesia masks, blood bags, catheters, collection bags (ostomy), connecting tubes, corrugated anesthetic tubing, fluid administration bags (total parenteral nutrition), medical film, mouth guards, respiratory tubing, whitening trays, and wound care.
Celanex MT® PBT	Celanex MT® PBT is the medical grade of Celanex® thermoplastic polyester (PBT), a semi crystalline structure based on polybutylene terephthalate that provides high strength, rigidity and toughness, low creep even at high temperatures and resistance to a wide range of chemicals, solvents, oils and greases.
Fortron® MT PPS	Fortron® MT PPS is the medical grade of Fortron® polyphenylene sulphide (PPS), a high-temperature semi crystalline polymer that offers high thermal stability, chemical resistance, creep resistance, stiffness, and strength. They are used to replace metal and for precision mechanical elements in drug delivery systems such as aerosol valves, spring elements and gears, as well as in housings and filter media, among other applications.
GUR® UHMW-PE	GUR® ultra-high molecular weight polyethylene (UHMW-PE) is a linear polyethylene that provides excellent abrasion resistance, superior impact resistance, non-sticking and self-lubricating properties, and mechanical characteristics. GUR UHMW-PE premium grades are used for orthopedic implants.
Hostaform® MT® SlideX® POM	Hostaform® MT® SlideX® POM is the medical grade of Hostaform®/Celcon® acetal copolymer (POM). This copolymer virtually eliminates noise, wear and friction in sliding components without lubricants. They are ideal for medical sliding applications, such as levers, triggers, sliders, buttons, hinges, etc.

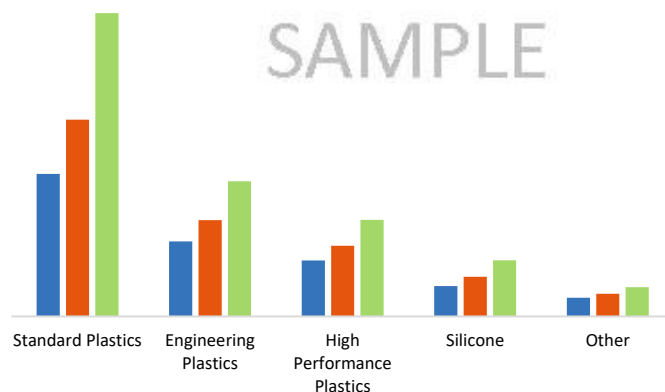
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SAMPLE TABLE/CHART

Glance at 2019 Global Medical Plastics Market Share (%) by Geographic Region – North America, Europe, Asia-Pacific, South America and Rest of World



Asia-Pacific Medical Plastics Market Analysis (2017-2026) by Product Type - Standard Plastics, Engineering Plastics, High Performance Plastics, Silicone and Other in USD Million



KEY PLAYERS PROFILED

- Arkema S.A.
- BASF SE
- Celanese Corporation
- Covestro AG
- Dupont De Nemours Inc.
- Evonik Industries AG
- Exxon Mobil Corporation
- Royal DSM
- SABIC
- Solvay SA
- The Lubrizol Corporation
- Wacker Chemie AG

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About Industry Experts

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Business intelligence provides the critical link between comprehending prevailing market conditions and devising strategies to maximize parameters, such as revenues, profits and return on investment in order to gain market share. The significance of market research can be largely understood through the range of factors that impact businesses. These can comprise market size (current and projected), geographic market reach and demand and supply scenario, to name a few. Our ongoing quest to collect up to date and accurate information by conducting online surveys, personal interviews, taking the opinions of senior level executives will enable us to serve our clients better in every possible aspect.

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