

## Modified Polyphenylene Ether (mPPE) – A Global Market Overview

*“The report reviews, analyzes and projects the global market for modified polyphenylene ether/polyphenylene oxide (mPPE/PPO) for the period 2019-2029 in terms of both volume (metric tons) and value (USD). The report explores the end-use applications of modified polyphenylene ether (mPPE) comprising Automotive & Transportation, Electrical & Electronics, Industrial, Office Automation (OA) Equipment & Appliances and Others (including medical and sporting goods etc)”*

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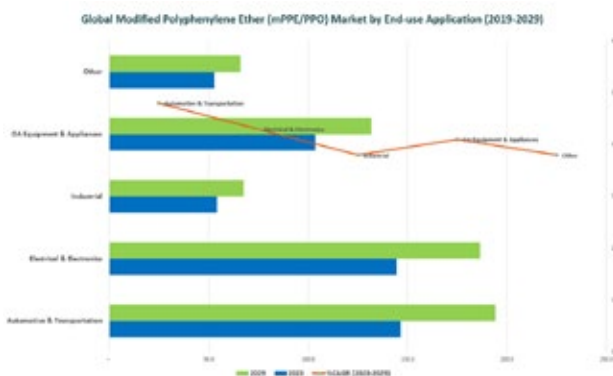
Charts: 164

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### Report Synopsis

Polyphenylene Ether (PPE), also called Polyphenylene Oxide (PPO), is an amorphous engineering thermoplastic, which is rarely used in its pure form due to difficulties in processing and poor impact and heat resistance. It is mainly used as blend with polystyrene (PS) or polyamide (PA) and the resulting blend is called Modified Polyphenylene Ether (mPPE) or modified Polyphenylene Oxide (mPPO). Mixing it with polystyrene or polyamide in any ratio could compensate for the disadvantages of pure PPE resin. mPPE can also be filled with fillers such as glass fibers to selectively adjust its features for withstanding greater thermal and mechanical loads.

Modified Polyphenylene Ether (mPPE) is primarily used to produce molded components offering better thermal and dimensional stability and are widely used in applications such as automotive, appliances, office automation equipment and electrical & electronics. Medical applications of PPE are also common, specifically for producing instruments that need to be sterilized frequently. Automotive & Transportation and Electrical & Electronics industries are the leading consumers of mPPE worldwide with an estimated market share of around 29% each in 2023, followed by OA Equipment & Appliances estimated at 21%.



Source: Industry Experts, Inc. <https://industry-experts.com>

### Research Findings & Coverage

- Modified Polyphenylene Ether (mPPE) global market analyzed in this report with respect to end-use applications across major geographic regions and key countries
- Global market share analysis for mPPE is provided based on the segmentation mentioned above; and current market size estimations and revenue projections given for the analysis period through 2029
- The report exclusively discussed the latest production capacities of major producers of mPPE
- The study discusses major growth trends, R&D, technology updates, statutory regulations and emerging applications of mPPE that influence the market growth, wherever applicable
- Key business trends focusing on product innovations/developments, capacity expansions, M&As, JVs and other recent industry developments by the major players
- The report includes 164 charts/data tables covering market numbers by segment and regions with graphical representation for each table
- Brief business profiles of major companies covered - 7
- The industry guide includes the contact details for 22 companies

### Product Outline

The market for end-use applications of mPPE analyzed in this report includes:

- Automotive & Transportation
- Electrical & Electronics
- Industrial
- OA Equipment & Appliances
- Others

### Analysis Period, Units and Growth Rates

- The report reviews, analyzes and projects the global Modified Polyphenylene Ether (mPPE) market for the period 2019-2029 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2023 through 2029

### Geographic Coverage

- **North America** (The United States, Canada and Mexico)
- **Europe** (France, Germany, Italy, the Netherlands, Russia, Spain, the United Kingdom and Rest of Europe)
- **Asia-Pacific** (China, India, Japan, South Korea, Taiwan, Thailand and Rest of Asia-Pacific)
- **South America** (Argentina, Brazil and Rest of South America)
- **Middle East & Africa**

## SAMPLE COMPANY PROFILE

### MITSUBISHI ENGINEERING PLASTICS CORPORATION

Shiodome Sumitomo-Bldg, 25F, 9-2  
Higashi-shinbashi 1-Chome, Minato-ku  
Tokyo 105-0021, Japan  
Phone: +81-3-6274-9000  
Fax: +81-3-6274-9080  
Website: www.m-ep.co.jp

#### Business Profile

Established I 1994, Mitsubishi Engineering Plastics Corp is a major global producer and supplier of engineering plastics. Mitsubishi Engineering Plastics offers polycarbonate, high-performance polyamide, polyacetal, polybutylene terephthalate, and modified polyphenylene ether. Mitsubishi Engineering-Plastics Corp. is a (50/50) joint venture of Mitsubishi Gas Chemical Co., Inc. and Mitsubishi Chemical Corp.

#### Product Portfolio

- Lupilon®/NOVAREX®/XANTAR® Polycarbonate (PC) resins
- Reny® High Performance Polyamide MXD6
- NOVADURAN® Polybutylene Terephthalate (PBT)
- Lupital® Polyacetal (POM)
- lupiace®, Lemalloy® m-Polyphenylene Ether (m-PPE)

#### Production Plants

##### Mitsubishi Gas Chemical Co., Inc., Japan

4-16, Hinagahigashi 2-chome Yokkaichi-shi, Mie 510-0886, Japan  
Phone: +81-59-345-8800  
Fax: +81-59-347-0799

##### Polyxylenol Singapore Pte. Ltd., Singapore (JV with Asahi Kasei)

20 Sakra Road, Jurong Island, Singapore 627889  
Phone: +65-6316-1777

Joint venture of Asahi Kasei and Mitsubishi Gas Chemical, engaged in the production of polyphenylene ether powder (PPE) and mPPE.

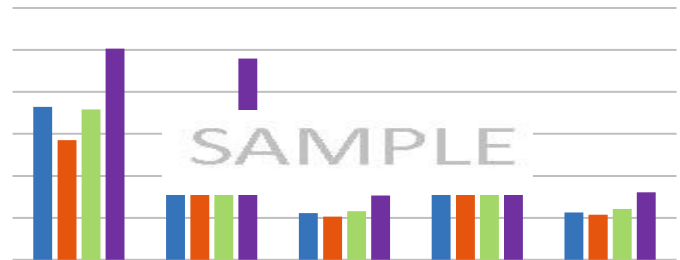
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## SAMPLE TABLE/CHART

Glance at 2019, 2023 and 2029 Global Modified Polyphenylene Ether/Polyphenylene Oxide (mPPE/PPO) Volume Market Share (%) by End-use Application – Automotive & Transportation, Electrical & Electronics, Industrial, OA Equipment & Appliances and Other



Global Modified Polyphenylene Ether/Polyphenylene Oxide (mPPE/PPO) Market Analysis (2019-2029) by End-use Application – Automotive & Transportation, Electrical & Electronics, Industrial, OA Equipment & Appliances and Other in USD Million



## KEY PLAYERS PROFILED

- Asahi Kasei Corporation (Japan)
- Polyxylenol Singapore Pte. Ltd
- LG Chem Ltd (South Korea)
- Mitsubishi Engineering Plastics Corporation (Japan)
- Romira GmbH
- Saudi Basic Industries Corporation (Sabic) (Saudi Arabia)
- Sinochem Holdings Corporation Ltd. (China)

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