

Polyoxymethylene Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global polyoxymethylene market reached a value of US\$ 3.2 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 4.2 Billion by 2027, exhibiting a CAGR of 4.83% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

Polyoxymethylene (POM), or polyacetal, is a semi-crystalline engineering thermoplastic used for manufacturing components with enhanced precision, stability and sliding properties. It is widely used as a metal substitute and produced through the process of ring-opening polymerization of formaldehyde and is supplied in the form of pellets. POM is commonly available in homopolymer and copolymer variants that are utilized to manufacture mechanical gears, fasteners, bearings and medical devices, including dialysis machines, inhalers and pharmaceutical closures. POM exhibits various advantageous properties, such as wide operating temperature range, minimal friction, high dimensional stability and heat, chemical and wear resistance. As a result, it finds extensive applications across various industries, including electronic, automotive and electrical.

Polyoxymethylene Market Trends:

The increasing demand for medical-grade POM for the manufacturing of healthcare devices is one of the key factors driving the growth of the market. POM is also widely used for the production of pen caps, outer needle caps, inner needle caps and dosage knobs of the insulin pens due to low moisture absorption, high sterility and impact resistant properties. It is also utilized for manufacturing pacemakers, artificial valves and

joint reconstruction devices. Moreover, the widespread product adoption in the electronics industry is providing a thrust to the market growth. POM is utilized in electric housing, circuit boards, switches, enclosures, wiring components and cooling systems. In line with this, the increasing adoption of POM for the manufacturing of various plumbing components, such as pump impellers, fittings, appliance casings, valve stems and jug kettles, is also contributing to the market growth. Other factors, including the rising demand for effective food packaging solutions, along with the utilization of POM for automotive steering wheels, locks, door handles and headrests, are acting as other growth-inducing factors.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global polyoxymethylene market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on type, process, grade and end user.

Breakup by Type:

- Homopolymer POM
- Copolymer POM

Breakup by Process:

- Injection Molding
- Extrusion Molding
- Others

Breakup by Grade:

- Standard
- Reinforced
- Impact Modified
- Recycled
- UV Stabilized
- Others

Breakup by End User:

- Electrical and Electronics

Automotive and Transportation
Medical
Consumer Goods and Appliances
Construction
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Asahi Kasei Corporation, BASF SE, Celanese Corporation, Daicel Corporation, DuPont de Nemours Inc., Kolon Plastic Inc., LG Chem Ltd., LyondellBasell Industries N.V., Mitsubishi Engineering-Plastics Corporation, RTP Company (Miller Waste Mills Inc.), Saudi Basic Industries Corporation (Saudi Arabian

Oil Co.) and Westlake Plastics Company.

Key Questions Answered in This Report:

How has the global polyoxymethylene market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global polyoxymethylene market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the process?

What is the breakup of the market based on the grade?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global polyoxymethylene market and who are the key players?

What is the degree of competition in the industry?

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