

Global Polyoxymethylene Market Outlook to 2027

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Abstracts

Polyoxymethylene, POM, or Acetal are a class of engineering thermoplastics known for their strength, hardness, rigidity, and low friction. According to BlueQuark Research & Consulting, the global Polyoxymethylene market is expected to witness a significant growth rate during the forecasted period. The growing demand for lightweight and durable metal alternatives in the automobile industry influences the growth of the global Polyoxymethylene market. Further, the increased usage of Polyoxymethylene in manufacturing electrical components like capacitors and insulators is expected to drive the market. Furthermore, the Polyoxymethylene copolymers use in the medical industry to manufacture insulin pens are also expected to influence the market. They also have a place in the irrigation and plumbing industry, where their use in taps, valves, and plumbing is expected to drive the market. However, the release of formaldehyde, a toxin, from the polymer on contact with high temperatures and strict regulatory policies regarding plastics is expected to hinder the market's growth.

Polyoxymethylene is used to manufacture automotive components like fuel caps, fuel sender units, fuel rails, and others like insulin pens, capacitors, etc. and are also used in end-use industries like automobile, electronics, healthcare, and construction.

The Automotive Sector is the prime consumer of Polyoxymethylene and is projected to drive the global Polyoxymethylene market. Increasing population, rapid urbanization are some of the facts behind the increased sales of automobiles, especially in countries like India and China. According to Toyota, a leading automobile manufacturer, its total global sales for May 2021 were 904,670 units, with a 48.4% year-on-year increase. The automotive industry is also experiencing a boom in the electric vehicle market as a result of the environmental awareness amongst citizens, and the government offering subsidies on its purchase further propel the automotive industry. Since Polyoxymethylene is an engineering material used in parts that require precision both externally and internally in an automobile, its applications are not limited and almost

identical in both electric and conventional automobiles. Therefore the use of Polyoxymethylene in the automobile industry is expected to grow and drive the overall market in the future.

The global market's key players are DuPont de Nemours , Celanese Corporation , Korea Engineering Plastics , Ensinger Plastics , Mitsubishi Chemical, among others.

The Asia Pacific region is expected to be the leader in Polyoxymethylene production, with most of the consumption in China and India. China is the most extensive base for automobile production globally, and according to the China Association of Automobile Manufacturers, vehicle sales in China are expected to hit 27 million in 2021, up 6.7 percent year-on-year. Thus, with thousands of automobiles manufactured daily, China satisfies its domestic need and caters to the international need for vehicles. According to a report published in IBEF, the automobile production in India increased at 2.36% CAGR between FY16-20, with 26.36 million vehicles being manufactured in the country in FY20 with nearly 21.55 million vehicles being sold. Apart from the automobile industry, China, Japan, and South Korea are some of the largest electronics manufacturers, which have Polyoxymethylene as one of the components, thus surging the demand for Polyoxymethylene in the region. As more than 60% of the world's population resides in the Asia-Pacific region, there is an increasing need for healthcare, like insulin pens making the sector an important market for the Polyoxymethylene industry. Further, the use of Polyoxymethylene in plumbing, irrigation, and pipe coupling makes the plastic important for construction activity, which is booming in the region. Factors like these have made the Asia Pacific region an essential scope for the global POM market.

In December 2020, Mitsubishi Gas Chemical Company and Celanese Corporation signed an MOU to restructure Korea Engineering Plastics Co.

In February 2020, Ascend Performance Materials had announced to purchase Poliblend and Esseti Plast GD from D'Ottavio Group, which included their Polyoxymethylene plant.

In May 2019, Japanese manufacturer, Polyplastics developed a new Polyoxymethylene grade, getting a combination of high strength and sliding properties.

Global Polyoxymethylene Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polyoxymethylene market by segmenting based on the formation process

(Injection Molding, Extrusion Molding, Others), Type (Homopolymer, Copolymer), End-User Industry (Electronics, Automobile, Healthcare, Construction, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trend, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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Company* *List of companies is not exhaustive*

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