

2021 Polyphenylene Oxide Market - Size, Share, COVID Impact Analysis and Forecast to 2027

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Abstracts

The global PPO market is valued at USD 1,527 million in 2019 and is expected to reach USD 2171.8 million by 2026 registering a compounded annual growth rate of 6.54%.

The growth will be majorly driven by robust growth in electronics industry fueled by roll out of 5G infrastructure and its compatible devices.

Poly phenylene oxide (PPO) is prepared by oxidative coupling of phenylene oxide monomer using oxygen and a copper-based catalyst. As unmodified Polyphenylene Oxide is a semi-crystalline thermoplastic and has very limited end use, it will be blended with high impact polystyrene (HIPS) in order to improve melt processability and make it feasible for commercial applications. Further blending with the use of other modifiers, results in various grades of the engineering thermoplastic with differing properties tailored to cater to the needs of individual end-uses.

Polyphenylene Oxide Market is expected to register a negative growth rate of 2.74% in 2020 due to the impact of the pandemic COVID 19 on shutdown of facilities across the world.

Global Polyphenylene Oxide market has declined marginally in 2019 due to limited operations of few industries including automotive, electronics, and electric appliances due US – China trade tensions and prevailing low prices of oil and gas impacting the overall revenue of companies operating in the segment.

Replacement of conventional materials - Polyphenylene oxide is a high-performance, opaque, thermoplastic material. It is known for high resistance to heat, burning, and chemicals, and has good electrical properties. Most commercial grades are glass-fiber

reinforced.

The presence of substitutes, including PEEK and PAI, along with fluctuating raw material costs is projected to challenge the growth of the PPO market during the forecast period.

Increasing Demand for PPO In electronics Industry - Electronics industry uses heavy metals like lead solder, exotic and costly materials like superconductors and rare metals, and volatile-organic compounds (VOCs) for degreasing and to strip solder mask, acids for etching, etc.

Environmental Benefits with the use of Polyphenylene Oxide - As the environmental pressure to become greener is increasing, many processes and materials have gotten much cleaner over the years, like lead-free soldering, cadmium-free colorant packages, and low-or no-halogen flame retardants.

PPE/PA remains the most Dominant alloy segment in the Polyphenylene Oxide worldwide with 41.2% market share in 2019.

Global Polyphenylene Oxide market, By Application

- Electrical and Electronics
- Automotive (Structural Parts)
- Home appliances
- Medical Instruments
- Water management
- Others

Global Polyphenylene Oxide market, By Grade

- PPE/PS
- PPE/PA

- PPE/PP
- Others

Global Polyphenylene Oxide market, By Geography

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe)

Asia-Pacific (China, India, Japan, South Korea, Australia, Rest of APAC)

Middle East and Africa (Saudi Arabia, South Africa, Rest of MEA)

South and Central America (Brazil, Argentina, Chile, Rest of SCA)

Report Scope-

The report- '2021 Polyphenylene Oxide Market - Size, Share, COVID Impact Analysis and Forecast to 2027' presents growth projections in the Polyphenylene Oxide Market between 2021 and 2027 for companies operating across different types, applications, and end-user verticals.

Short-term and long-term trends affecting the market landscape are included in the research. Further, market drivers, restraints, and potential opportunities are also provided in the report.

The Polyphenylene Oxide Market report computes the 2020 market value in revenue terms based on the average Polyphenylene Oxide prices and sales/revenue models of key companies operating in the Polyphenylene Oxide Industry. The study forecasts the market size to 2027 for different types of Polyphenylene Oxide and provides respective market share and growth rates.

The study discusses technological innovations and the potential shift in demand among various products in the Polyphenylene Oxide Market, over the forecast period. The leading five companies in the Polyphenylene Oxide Industry together with their products, key strategies, and comparisons are provided.

The Polyphenylene Oxide Market size, share, and outlook across different types and

applications are provided at geographic levels of North America, Asia Pacific, Europe, Middle East Africa, South and Central America. Further, country-level Polyphenylene Oxide Market value is also provided.

All recent developments in Polyphenylene Oxide Industry including mergers, acquisitions, contract awards, licenses, product launches, and expansion plans are included in the report.

Base Year- 2020; Forecast period: 2021- 2027

Publication frequency- Every six months

Research Methodology- Data triangulation with top-down and Bottom-up approach are used for market size

Scope of the Report -

Global Polyphenylene Oxide Industry size, 2020- 2027

Market trends, drivers, restraints, and opportunities

Porter's Five forces analysis

Types of Polyphenylene Oxide , 2020-2027

Polyphenylene Oxide applications and end-user verticals market size, 2020-2027

Polyphenylene Oxide Market size across countries, 2020- 2027

5 leading companies in the industry- overview, key strategies, financials, and products

Latest market news and developments

Additional support -

All the data presented in tables and charts of the report is provided in a separate Excel document

Print authentication extended

10% free customization to include any specific data/analysis to match with the requirement

3 months of analyst support

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