

Polyphenylene Sulfide (PPS) Market Report by Type (Linear PPS, Cured PPS, Branched PPS), Recyclability (Virgin, Recycled), Application (Automotive, Electrical and Electronics, Aerospace, Medical/Healthcare, and Others), and Region 2025-2033

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Report description:

The global polyphenylene sulfide (PPS) market size reached USD 1.9 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 2.8 Billion by 2033, exhibiting a growth rate (CAGR) of 4.23% during 2025-2033.

Polyphenylene sulfide (PPS) is a semi-crystalline thermoplastic that consists of multiple aromatic rings of p-substituted benzene and sulfur. It is widely used in felt filter media for high-temperature air filters, coil formers, bobbins, slurry coatings, terminal blocks, relay components, specialty membranes and packaging. PPS exhibits various advantageous properties, such as high chemical and abrasion resistance, dimensional stability and mechanical strength. It is also lightweight in nature and has a high melting point and low viscosity index that assists it to be molded in the desired shapes. As a result, PPS finds extensive application across various industries, such as aerospace, medical, automotive, electrical and electronics.

Polyphenylene sulfide (PPS) Market Trends:

Significant growth in the automotive industry across the globe is creating a positive outlook for the market. PPS is widely used in the manufacturing of automobile components, such as carburetors, exhaust gas return valves, lighting systems and ignition plates, that are constantly exposed to high temperatures. Additionally, the increasing product demand in the aerospace and defense industries is favoring the market growth. PPS is utilized in the production of composites used in wings, fuselage, seat frames, interior panels and high temperature ducting. Moreover, various product innovations, such as the development of low-emission and eco-friendly PPS, are providing a thrust to the market growth. It aids in reducing thermo-chemical emissions, thermal degradation and contains no chlorine components. Other factors, including the increasing product utilization for the manufacturing of the filter bags and dust chambers in coal power plants and widespread adoption of linear PPS due to its higher tenacity and better impact strength, along with the increasing demand for electric vehicles (EVs), are anticipated to drive the

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market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global polyphenylene sulfide (PPS) market report, along with forecasts at the global, regional and country level from 2025-2033. Our report has categorized the market based on type, recyclability and application.

Breakup by Type:

- Linear PPS
- Cured PPS
- Branched PPS

Breakup by Recyclability:

- Virgin
- Recycled

Breakup by Application:

- Automotive
- Electrical and Electronics
- Aerospace
- Medical/Healthcare
- 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

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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 British Plastics Federation, Celanese Corporation, DIC Corporation, Kolon Plastics Inc., Kureha Corporation, Polyplastics Co. Ltd. (Daicel Corporation), Ryan Plastics Limited, SK Chemicals Co. Ltd., Solvay S.A, Teijin Limited, Toray Industries Inc. and Tosoh Corporation.

Key Questions Answered in This Report

1. What was the size of the global Polyphenylene Sulfide (PPS) market in 2024?
2. What is the expected growth rate of the global Polyphenylene Sulfide (PPS) market during 2025-2033?
3. What are the key factors driving the global Polyphenylene Sulfide (PPS) market?
4. What has been the impact of COVID-19 on the global Polyphenylene Sulfide (PPS) market?
5. What is the breakup of the global Polyphenylene Sulfide (PPS) market based on the type?
6. What is the breakup of the global Polyphenylene Sulfide (PPS) market based on the application?
7. What are the key regions in the global Polyphenylene Sulfide (PPS) market?
8. Who are the key players/companies in the global Polyphenylene Sulfide (PPS) market?

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