

# Polyphenylene Sulfide (PPS) Composites Market Demand, Share, Growth, Applications, Types and Forecasts Report 2032

*Polyphenylene Sulfide (PPS) Composites Market is projected to grow from USD 1,015.5 million in 2024 to USD 2,355.6 million in 2033*

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/EINPresswire.com/ -- The global [Polyphenylene Sulfide \(PPS\) Composites Market](#) is projected to grow from USD 1,015.5 million in 2024 to USD 2,355.6 million in 2033, at an impressive CAGR of 9.80% during the forecast period. This growth is

primarily fueled by the increasing use of PPS composites in industries such as automotive, electronics, and aerospace due to their unique combination of properties, including high thermal stability, corrosion resistance, and electrical insulation.

PPS composites have gained significant traction as industries focus on lightweight materials to enhance fuel efficiency, reduce emissions, and improve overall performance. Automotive manufacturers are increasingly utilizing PPS composites to replace heavier materials without compromising strength or durability. Additionally, the material's ability to withstand high temperatures and stress makes it a key choice in critical applications in aerospace and defense sectors.

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## Key Market Drivers

### Demand for Lightweight Automotive Components

The growing emphasis on fuel efficiency and reduced vehicle emissions has spurred the adoption of lightweight materials like PPS composites. The material's excellent mechanical



properties and chemical resistance make it ideal for components in engines, fuel systems, and electrical enclosures.

### Expansion in Electric Vehicle (EV) Applications

PPS composites are emerging as a preferred material for intricate EV components such as battery enclosures and electric drive systems. Their durability and heat resistance align with the performance and sustainability goals of modern EV manufacturers.

### Advancements in Manufacturing Technology

Leading companies are investing in process improvements to enhance the cost-efficiency of PPS composites. For example, Celanese Corporation and SABIC are advancing production technologies to meet growing demand while reducing costs, making PPS composites more accessible across various applications.

### Market Restraints

Despite its advantages, the high cost of PPS resins presents a challenge for broader adoption, particularly in cost-sensitive industries. Price volatility in raw materials and disruptions in the global supply chain have further compounded cost concerns. However, ongoing research and innovation aim to mitigate these issues. For instance, SABIC's efforts to develop advanced polymerization technologies are expected to make PPS composites more affordable while maintaining their performance benefits.

### Insights into Market Segmentation

**By Type:** Linear PPS is set to dominate the market due to its versatility and excellent processing capabilities. It is widely used in automotive and electronics applications, with leading companies like BASF SE driving innovation in this segment.

**Cured PPS:** This type is expected to see the fastest growth due to its exceptional thermal and chemical resistance, making it indispensable for demanding applications in aerospace, automotive, and chemical processing industries.

### Industry Innovations

Recent developments highlight the potential of PPS composites in driving industry advancements. In August 2023, Toray Industries Inc. launched a new high-performance PPS composite specifically designed for the automotive sector, focusing on improved heat resistance and mechanical strength. Such innovations are expected to open new opportunities for PPS composites across diverse industrial applications.

### Regional Outlook

The rising adoption of electric vehicles and advancements in manufacturing are expected to drive significant growth in North America and Europe, with these regions anticipated to emerge as key markets for PPS composites.

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The competitive landscape of the report has been formulated by considering all the vital parameters such as company profiling, market share, recent developments and advancements, gross margins, product portfolio, revenue generation, financial standing, market position, and expansion plans. The report also discusses in detail the recent mergers and acquisitions, joint ventures, collaborations, product launches and brand promotions, agreements, corporate and government deals, and partnerships, among others. The report also sheds light on the recent technological developments and product advancements in the Polyphenylene Sulfide (PPS) Composites market.

Furthermore, the report provides details about the new players entering the market, entry-level barriers and offers strategic recommendations to overcome those barriers to gain a substantial industry presence.

Some of the key companies in the global Polyphenylene Sulfide Composites Market include:

DIC CORPORATION

Solvay S.A.

Lion Idemitsu Composites Co., Ltd

Toray Industries, Inc.

Tosoh Corporation

SK chemicals

Chengdu Letian Plastics Co., Ltd.

Celanese Corporation

TEIJIN LIMITED

SABIC

Zhejiang NHU Co., Ltd.

LG Chem

RTP Company

Ensinger

Polyplastics Co., Ltd.

The global Polyphenylene Sulfide (PPS) Composites market report covers the analysis of drivers, trends, limitations, restraints, and challenges arising in the Polyphenylene Sulfide (PPS) Composites market. The report also discusses the impact of various other market factors affecting the growth of the market across various segments and regions. The report segments the market on the basis of types, applications, and regions to impart a better understanding of the Polyphenylene Sulfide (PPS) Composites market.

Polyphenylene Sulfide Composites Market Segmentation Analysis

Type Outlook (Revenue, USD Million; 2020-2033)

Linear PPS

Cured PPS

Branched PPS

Application Outlook (Revenue, USD Million; 2020-2033)

Automotive

Electrical & Electronics

Industrial

Coatings

Others

Regional Outlook (Revenue, USD Million; 2020-2033)

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Benelux

Rest of Europe

Asia-Pacific

China

India

Japan

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Rest of Latin America

Middle East and Africa

Saudi Arabia

UAE

South Africa

Turkey

Rest of MEA

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The Global Polyphenylene Sulfide (PPS) Composites Market is further analyzed across the key geographical locations where the market has expanded to a significant size. The key region analyzed are North America, Latin America, Europe, Asia Pacific, and Middle East & Africa. The report offers a country-wise analysis to provide a comprehensive analysis of the Polyphenylene Sulfide (PPS) Composites market in terms of production and consumption patterns, supply and demand ratio, import/export, revenue contribution, trends, and presence of prominent players in each region.

### Regional Outlook

The rising adoption of electric vehicles and advancements in manufacturing are expected to drive significant growth in North America and Europe, with these regions anticipated to emerge as key markets for PPS composites.

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