

# Polyphenylene Sulfide (PPS) – A Global Market Overview

<https://marketpublishers.com/r/P6E67C055F5EN.html>

Date: February 2016

Pages: 236

Price: US\$ 3,960.00 (Single User License)

ID: P6E67C055F5EN

## Abstracts

Polyphenylene Sulfide (PPS) is a semi-crystalline, high performance (or high temperature) engineering plastic that possesses exceptionally high mechanical, high temperature properties and chemical resistance, rendering it to be the alternative of choice for metals and thermosets. Commercially, PPS is available in different forms and grades such as compounds, fibers, filaments, films and coatings. PPS resin is generally reinforced with various reinforcing materials, specifically glass fibers, in order to improve its mechanical and thermal properties. Such compounds primarily find application in injection molding processes. Unfilled PPS resin can be melt spun and melt blown to produce fibers and fabrics that are used for conveyor belts, flame-resistant clothing and filtration media. PPS resin is also made into films and coatings.

The polyphenylene sulfide market study reviews, analyzes and projects the global market for polyphenylene sulfide for the period 2012-2022 while discussing the global PPS resin installed capacities. Global market for polyphenylene sulfide product types analyzed in the report include PPS compounds and other PPS products such as fibers, films and coatings.

Market for polyphenylene sulfide application areas analyzed in the study include automotive, electrical & electronics, industrial and other applications. Further, the report estimates and projects the global polyphenylene sulfide market in terms of volume in metric tons and value in USD by geographic regions covering North America, Europe, Asia-Pacific and Rest of World. As a value addition, the report also discusses the global market for PPS on neat resin basis.

Global volume consumption of PPS projected to reach 189.4 thousand metric tons, valued at US\$2 billion by 2022 at a CAGR of 7.7% between 2016 and 2022. Automotive

forms the largest application of PPS in terms of volume consumed, with a market share of 41.5% in 2016 and is expected to maintain a 2016-2022 CAGR of 6.6%. However, the fastest volume CAGR of 11.2% over the same period is likely to be recorded by industrial applications of PPS, the market for which is projected to stand at 59.7 thousand metric tons in 2022. The growth in industrial applications is mainly attributed to the Asia-Pacific region, led by China, where PPS consumption in filter bags and coatings is expected to witness high growth during 2016-2022 period.

This global market report includes 115 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of the market. The statistical tables represent the data for the global market by geographic region, product type and end-use applications of PPS. This report profiles 21 key global players and 33 major players including PPS resin manufacturers and PPS compounders across the North America – 8; Europe – 9 and Asia-Pacific – 16. The profiles include business overview, product portfolio, PPS resin capacities, addresses, contact numbers and the website addresses.

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DIC Corporation

Kureha Corporation

SK Chemicals Co Ltd (INITZ)

Solvay Specialty Polymers USA, LLC

Toray Industries, Inc.

Tosoh Corporation

Zhejiang NHU Special Materials Co Ltd

### PPS Compounders and Processors

A. Schulman, Inc.

ALBIS Plastic GmbH

Ensinger GmbH

Kotec Corporation

Lati Industria Termoplastici SpA

Lehmann & Voss & Co

Lion Idemitsu Composites Co., Ltd.

Polyone Corporation

Polyplastics Co Ltd

Quadrant AG

RTP Company

SABIC Innovative Plastics

Toyobo Co Ltd

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Polyphenylene Sulfide Fiber TORCON and Polyacrylonitrile-base Flame Resistant Yarn Utilized to Develop High Performance Flame Shielding Paper

Launch of Celanese PPS Grades in Japan

Strategic Alliance with NHU Reinforces the High Performance Engineering Plastics Portfolio of DSM

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Broadening of Celanese's Kentucky Compounding Production Facility

Celanese to Expand Compounding Capabilities at Nanjing Integrated Chemical Complex

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Use of Celanese's Fortron ICE PPS in Making Allied Series VX-Mid HT UHF RFID Tag

Commercial Release of Xtel PPS Alloys under the Ryton PPS Brand Name

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HCL Replaces Conventional PEEK Cable Ties for Oil and Gas Pipelines with Fortron PPS

Development of New Sealing Shim and Flange by KACO Using Celanese's Fortron PPS

Klopman Relies on Fortron PPS Fibers from Celanese to Make the New Sungrazer 180 Fabric for PPE Clothing

Plans to Set up Toray's First Manufacturing Base for PPS Resin outside Japan

ALBIS Plastic and Toray Form Torelina PPS Distribution Pact

Lion Idemitsu Composites Acquires Idemitsu Kosan's PPS Business

Use of Celanese's Fortron FX4382T1 PPS in Food Handling Applications

New Bi-Component PPS Felt Media for Coal-Fired Boilers Launched by GE

Implementation of Hot Water Systems for Molding Fortron PPS Deliver Exceptional Heat Transfer Performance

Teijin Chemicals Signs Collaborative Agreement with SK Chemicals

Fortron Industries Celebrates 20th Anniversary with an Overall PPS Production of 230 Million Pounds

Chevron Philips Chemical Celebrates 40th Anniversary of Ryton PPS

Construction of Toray's Third Compounding Facility in China

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  - LATI Industria Termoplastici SPA (Italy)
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Kotec Corporation (Japan)  
Kureha Corporation (Japan)  
LG Chem (South Korea)  
Lion Idemitsu Composites Co., Ltd. (Japan)  
Polyplastics Co Ltd (Japan)  
Samsung SDI Co Ltd (South Korea)  
SK Chemicals Co Ltd (INITZ) (South Korea)  
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