

Polyphenylene Sulfide (PPS) Fiber - A Global Market Overview

This report analyzes the global Polyphenylene Sulfide (PPS) Fiber market over the period 2021-2032, with 2025 as the base year and forecasts through 2032, examining market dynamics, key trends, growth drivers, challenges, and competitive developments. The study segments the market by application, and profiles 10+ leading companies active across the value chain. Market sizing and forecasts are presented in metric tons and US\$ million, with regional analysis spanning four major global regions and in-depth coverage of 13 individual countries, providing a granular assessment of regional demand patterns and industry evolution.

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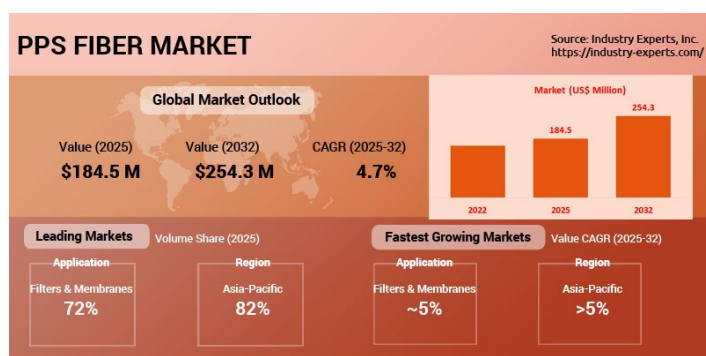
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Global Polyphenylene Sulfide (PPS) Fiber Market Trends and Outlook

The global polyphenylene sulfide (PPS) fiber market is positioned for steady expansion through the forecast period, supported by its unique combination of high thermal stability, inherent flame retardancy, chemical resistance, and long-term dimensional integrity. These performance attributes make PPS fiber indispensable in harsh operating environments where conventional synthetic fibers fail, particularly in applications exposed to sustained high temperatures, corrosive chemicals, and aggressive filtration conditions. Global PPS fiber industry demonstrates a steady upward trajectory, with total demand rising from US\$184.5 million in 2025 to about US\$254.3 million in 2032 at a CAGR of 4.7%, supported by resilient adoption in high-performance filtration, insulation, and specialty applications.

Market growth is being driven primarily by tightening industrial emission standards, rising investment in high-temperature filtration systems, and the growing need for durable insulation and protective materials across power generation, chemicals, cement, steel, and waste-to-energy industries. PPS fiber's increasing substitution for glass fiber and other specialty fibers in selected industrial uses is further strengthening demand, especially where lifecycle cost, durability, and regulatory compliance are critical decision factors.



PPS Fiber Market Report Scope

This global report on Polyphenylene Sulfide (PPS) Fiber analyzes the market based on application for the period 2022-2032 with projections from 2025 to 2032 in terms of volume consumption in metric tons and value market in US\$. This report also reveals historical and current PPS Fiber installed production capacities and future expansions by PPS Fiber manufacturers across the globe. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of PPS Fiber industry.

Key Metrics

Historical Period:	2022-2024
Base Year:	2025
Forecast Period:	2025-2032
Units:	Volume consumption in Metric Tons and Value market in US\$
Companies Mentioned:	11

Global PPS Fiber Market by Geographic Region

- North America (The United States and Canada)
- Europe (France, Germany, Italy, Spain, Russia, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)
- Rest of World

Global PPS Fiber Market by Application

- Filters & Membranes
- Insulation Materials
- Protective Garments (or) Safety & Protection Garments
- Other Applications (Automotive composites, Battery Separators, Conveyor Belts etc.)

Global PPS Fiber Installed (Theoretical) Production Capacity

- PPS Fiber Installed Production Capacity by Manufacturer and Plant Location

SAMPLE COMPANY PROFILE

KB SEIREN, LTD. (JAPAN)

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Website: www.kbseiren.com/english/

Business Overview

Established in 2005, KB Seiren, Ltd. is engaged in the production and supply of synthetic fibers and filaments, fabrics, and secondary textile products. The company has developed two high-performance fibers: Gradio® polyphenylene sulfide (PPS) fiber and Zxion® polyarylate fiber. The company's Gradio® polyphenylene sulfide fiber is produced by its patented technology utilizing fine-denier fiber spinning and composite fiber spinning as well as single filament fineness. These fibers are produced at Hokuriku Synthetic Fibers Plant, located in Fukui Prefecture, Japan.

Product Portfolio

Filaments

- Monofilament: 13 dtex/1f (filament diameter: 35 µm), 33 dtex/1f (filament diameter: 56 µm)
- Multifilament: 33 dtex/12f, 56 dtex/24f, 84 dtex/24f, 167 dtex/48f, 220 dtex/48f

Staple fibers

- Regular type: 1.1 dtex X 3–5 mm and various others, 1.7 dtex X 3–5 mm and various others
- Split type: 0.2 dtex X 3–5 mm and various others
- Binder type: 1.7 dtex X 3–5 mm and various others

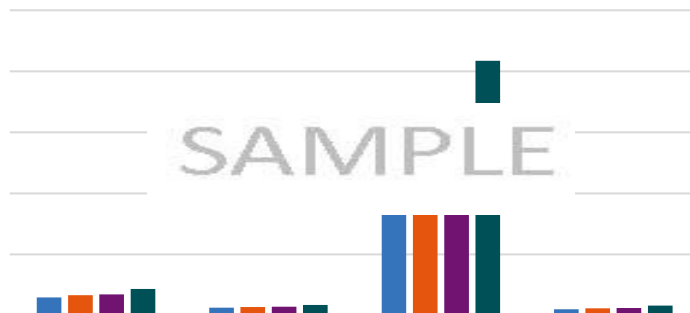
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SAMPLE TABLE/CHART

Glance at 2022, 2025 and 2032 Global PPS Fiber Market Share (%) by Application - Filters & Membranes, Insulation Materials, Protective Garments and Others



Global PPS Fiber Market Analysis (2022-2032) by Geographic Region - North America, Europe, Asia-Pacific and Rest of World in Metric Tons



KEY PLAYERS PROFILED

- Deyang Keji High-Tech Materials Co., Ltd
- EMS-Griltech - EMS-CHEMIE AG
- Fiber Innovation Technology, Inc.
- Huvis Corporation
- Jiangsu Fusheng Environmental Protection Group Co., Ltd.
- KB Seiren, Ltd.
- Sichuan Anfeier (UNFIRE) Polymer Materials Technology Co., Ltd.
- Toray Industries, Inc.
- TOYOBO MC Corporation

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