

Global Polyimide High Performance Fiber Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Polyimide High Performance Fiber market size is expected to reach \$ 625 million by 2032, rising at a market growth of 4.9% CAGR during the forecast period (2026-2032).

Polyimide high-performance fiber is a high-strength, high-heat-resistant, and highly chemically resistant fiber material synthesized from polyimide. It possesses excellent mechanical properties and stability. Upstream suppliers include monomers such as aromatic diamines and dianhydrides, as well as polyimide resin suppliers, and manufacturers of high-temperature spinning and heat treatment equipment. Downstream applications primarily target end-uses such as fire-fighting and metallurgical power protective clothing, high-temperature flue gas filter bags, aerospace composite materials, motor insulation, and high-temperature thermal insulation materials.

In 2025, the global polyimide high-performance fiber market price was US\$41,000/ton, with sales of approximately 10,600 tons and a global production capacity of 11,000 tons. The industry profit margin was 20-23%.

This report studies the global Polyimide High Performance Fiber production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polyimide High Performance Fiber and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Polyimide High Performance Fiber that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polyimide High Performance Fiber total production and demand, 2021-2032, (Tons)

Global Polyimide High Performance Fiber total production value, 2021-2032, (USD Million)

Global Polyimide High Performance Fiber production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Polyimide High Performance Fiber consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Polyimide High Performance Fiber domestic production, consumption, key domestic manufacturers and share

Global Polyimide High Performance Fiber production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Polyimide High Performance Fiber production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Polyimide High Performance Fiber production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Polyimide High Performance Fiber market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik, Teijin, Jiangsu Shino New Materials, Jiangsu Aoshen Hi Material, Changchun Hipolyking, Ningbo Yide Fine Chemical, Sechin, Liluo, Swicofil, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Polyimide High Performance Fiber market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Polyimide High Performance Fiber Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polyimide High Performance Fiber Market, Segmentation by Type:

Wet Spinning

Dry Spinning

Global Polyimide High Performance Fiber Market, Segmentation by Chemical Monomer Structure:

Homophenyl Polyimide Fiber

Biphenyl Polyimide Fiber

Global Polyimide High Performance Fiber Market, Segmentation by Product Forms:

Filament

Staple Fiber

Global Polyimide High Performance Fiber Market, Segmentation by Application:

Construction

Power and Utilities

Chemicals

Other

Companies Profiled:

Evonik

Teijin

Jiangsu Shino New Materials

Jiangsu Aoshen Hi Material

Changchun Hipolyking

Ningbo Yide Fine Chemical

Sechin

Liluo

Swicofil

Key Questions Answered:

1. How big is the global Polyimide High Performance Fiber market?
2. What is the demand of the global Polyimide High Performance Fiber market?
3. What is the year over year growth of the global Polyimide High Performance Fiber market?
4. What is the production and production value of the global Polyimide High Performance Fiber market?
5. Who are the key producers in the global Polyimide High Performance Fiber market?
6. What are the growth factors driving the market demand?

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