

High Temperature Fiber Market - Forecasts from 2016 to 2021

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Abstracts

Heat degrades fiber at different rates depending on the fiber type, time of exposure and atmospheric condition. The high temperature fiber can operate at extreme temperatures and survive in harsh environments. Among other outstanding properties is its balance of tensile properties, high dielectric strength, stability in ionizing radiation and resistance to hydrolysis and chemical degradation. These fibers are designed for applications requiring high usable strength, excellent resistance to higher temperatures and hydrogen permeation, and improved fatigue resistance.

The key factor driving the high temperature fiber market is its wide range of applications. This fiber exhibits a cross cutting potential in various industries such as electric & electronics, security & protection, aerospace, automation and more, owing to its excellent properties like lightweight, high strength, higher operating temperatures and flame retardant ability. In addition, growing demand for sustainable energy production, increasing energy prices, and additional focus on energy conservation are some of the key factors contributing to the market growth. The ongoing research and development and product innovations is expected to expand the applications for high temperature fiber and boost its market growth over the next six years.

High temperature fiber market is estimated to witness CAGR of 7.56% over the period 2016 to 2021. This market is dominated by Asia Pacific region owing to rapidly growing demand, especially in emerging economies like India, China, and Korea, driven by increasing adoption by various industry verticals. Moreover, the mass migration of production activities from developed countries to low cost Asian countries in conjunction with supportive government policies, will further drive the high temperature fiber market.

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentation which has been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of High Temperature Fiber. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Segmentation

Thirdly, High Temperature Fiber Market has been segmented on the basis of fiber type, application, and geography as follows:

By Fiber Type

Aramid

Ceramic

Basalt

Others

By Industry Vertical

Industrial

Security and Protection

Automotive

Aerospace

Electrical and Electronics

Others

By Geography

Americas

North America

US

Canada

Mexico

Others

South America

Brazil

Others

Europe Middle East and Africa

Europe

United Kingdom

Germany

France

Others

Middle East and Africa

Asia Pacific

Japan

China

India

Australia

Others

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are DuPont, Teijin Limited, Morgan Thermal Ceramics, Toray Industries, Royal Ten Cate, Toyobo, Kolon Industries, and Kamenny Vek among others.

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