

North America High Performance Fibers Market (2019-2025)

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Abstracts

The North America High Performance Fibers Market would witness market growth of 10% CAGR during the forecast period (2019-2025).

HPF gradually replaces asbestos with bullet-proof jackets, belts, tires, concrete reinforcing, and heat-proof cushions. Furthermore, various applications have also been found in wind power generator blades, ropes, and fishing nets. The thermal, cut, chemical and abrasion resistance provided by these fibers also improve its use in the manufacture of protective gloves and mooring ropes. Toxicity issues related to the manufacture of carbon-reinforced fiber composites may have a negative impact on the market. Nevertheless, the increased fuel efficiency and the reduction of emissions in vehicles and aircraft due to the application of high-performance fiber are projected to support the industry over the forecast period.

Textile Fibers plays a significant role in the material world. Presently, compared to textile fibers, High-Performance Fibers hold a higher foothold in the market. These are distinct from conventional fibers, which are capable of meeting specific technical requirements due to their unique properties. Many high-performance fabrics, such as Kevlar, Nomex, carbon, glass, etc., have more tensile strength, heat and flame resistance, chemical agent resistance than traditional fibers and materials such as steel. For example, initially, a car body was made of metal but it is now made of composite fiber. It has reduced weight and improved aerodynamic design. In sportswear, specially-curated textured nylon fiber is used to enhance the strength and breathability of sportswear.

Based on Product, the market is segmented into Carbon Fiber, Aramid Fiber, Polybenzoxazole (PBO), Polybenzimidazole (PBI), M5/PIPD, Glass Fiber, High Strength

Polyethylene and Others. Based on Application, the market is segmented into Aerospace & Defense, Textile, Sporting Goods, Construction & Building, Electronics & Telecommunication, Automotive and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Toray Industries, Inc., Teijin Limited, Honeywell International, Inc., Mitsubishi Chemical Holdings Corporation, Koninklijke DSM N.V., Toyobo Co., Ltd., Bally Ribbon Mills, Binani Industries Limited, Sarla Performance Fibers Limited, and Sinopec Limited.

SCOPE OF THE STUDY

Market Segmentation:

By Product

Carbon Fiber

Aramid Fiber

Polybenzoxazole (PBO)

Polybenzimidazole (PBI)

M5/PIPD

Glass Fiber

High Strength Polyethylene

Others

By Application

Aerospace & Defense

Textile

Sporting Goods

Construction & Building

Electronics & Telecommunication

Automotive

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Toray Industries, Inc.

Teijin Limited

Honeywell International, Inc.

Mitsubishi Chemical Holdings Corporation

Koninklijke DSM N.V.

Toyobo Co., Ltd.

Bally Ribbon Mills

Binani Industries Limited

Sarla Performance Fibers Limited

Sinopec Limited

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