

Bamboo Fiber Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Natural Bamboo Fiber, Bamboo Rayon, Others), By Application (Clothing Fabrics, Home Furnishing, Medical Care, Bathrooms Textiles and Others (Home Furnishing Fabrics, Non-Woven Fabrics, etc.)), By Region & Competition, 2021-2031F

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Abstracts

The Global Bamboo Fiber Market is poised for substantial growth, projected to increase from USD 5.91 Billion in 2025 to USD 11.59 Billion by 2031, at an 11.88% CAGR. This market focuses on regenerated cellulosic fibers sourced from bamboo pulp, valued in the textile industry for its inherent antibacterial qualities, biodegradability, and soft texture. The primary impetus for this expansion stems from a significant shift within the fashion and textile sectors towards sustainable sourcing practices, propelled by stricter environmental regulations and growing consumer demand for eco-friendly alternatives to conventional synthetics and cotton. In 2024, the global production of man-made cellulosic fibers, encompassing bamboo fiber, reached approximately 8.4 million tonnes, signifying its increasing industrial adoption.

Market Driver

This robust demand for sustainable and biodegradable textile options is a key market driver, leading to a fundamental re-evaluation of sourcing strategies across fashion and home furnishings. As awareness of microplastic pollution rises, bamboo is emerging as a critical structural replacement for plastic-based synthetics, a shift heavily supported by governmental initiatives promoting non-plastic materials. For instance, in May 2024, China's 'Bamboo as a Substitute for Plastic' initiative contributed to the national bamboo

industry's output value surging over 410 billion yuan. Concurrently, technological advancements, including closed-loop lyocell and eco-friendly processing, are mitigating the environmental concerns associated with traditional viscose methods by prioritizing solvent recovery and advanced regeneration, leading to tangible financial growth for sector leaders like Lenzing Group, which reported a 9.3 percent increase in fiber division revenue in August 2024. Furthermore, a secure raw material supply, evidenced by a 2024 global survey confirming 2.37 million hectares of bamboo plantations, underpins the scalability of these innovative production lines.

Market Challenge

Despite its promising growth trajectory, the bamboo fiber market faces a significant challenge primarily due to its reliance on chemical-intensive manufacturing, particularly the viscose method. While bamboo itself is a renewable resource, its conversion into fiber frequently involves harsh agents like carbon disulfide, often without adequate chemical recovery systems. This creates a reputational paradox, as the pollution associated with processing can undermine the product's sustainable branding and deter environmentally conscious stakeholders seeking full supply chain transparency, thereby restricting its adoption in premium eco-friendly product lines. This dependence on established, high-impact technologies is evidenced by viscose rayon retaining approximately 79 percent of the man-made cellulosic fiber market share in 2024, limiting bamboo fiber's ability to meet stringent environmental standards for broader acceptance.

Market Trends

Nevertheless, the market is adapting through several key trends. Notably, there's a significant expansion into luxury athleisure and high-performance activewear, leveraging bamboo fiber's inherent thermoregulating and moisture-wicking properties to compete with advanced synthetics. This shift, supported by certification standards that validate environmental integrity, is driving global uptake, with certified bamboo textile exports from China rising 38 percent year-over-year by October 2025. Another crucial trend is the proliferation of bamboo-based compostable packaging solutions. Here, the fiber's structural rigidity is utilized to displace single-use plastics in food service and logistics, providing durable, biodegradable alternatives that align with zero-waste mandates. The successful municipal-level adoption of bamboo tableware, such as in Anji County which saw a cumulative reduction of over 3.5 million sets of disposable plastic consumables by June 2024, highlights the material's viability as a scalable substitute for conventional polymers.

Key Market Players

Shanghai Tenbro Bamboo Textile Co., Ltd.

China Bambro Textile Co., Ltd.

Hebei Jigao Chemical Fiber Co., Ltd.

Suzhou Lifei Textile Co., Ltd.

Advantage Fibres International Ltd.

Swicofil AG

International Fiber Corporation

CFF GmbH & Co. KG

Green Fiber International

Report Scope

In this report, the Global Bamboo Fiber Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Bamboo Fiber Market, By Type

Natural Bamboo Fiber

Bamboo Rayon

Others

Bamboo Fiber Market, By Application

Clothing Fabrics

Home Furnishing

Medical Care

Bathrooms Textiles

Others

Bamboo Fiber Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Bamboo Fiber Market.

Available Customizations:

Global Bamboo Fiber Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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