

Technical Textile Market By Material (Natural Fiber, Synthetic polymers/fibers, Mineral fiber, Regenerated Fiber, Metal fiber, Others), By Process (Woven, Knitted, Non-Woven, Others), By End-Use Application (MobilTech, InduTech, SporTech, BuildTech, HomeTech, ClothTech, MediTech, AgroTech, ProTech, PackTech, GeoTech, OekoTech): Global Opportunity Analysis and Industry Forecast, 2023-2032

Market Report | 2024-01-01 | 605 pages | Allied Market Research

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Report description:

The technical textile market was valued at \$191.7 million in 2022 and is estimated to reach \$331.8 million by 2032, growing at a CAGR of 5.7% from 2023 to 2032.

Technical textiles refer to textile materials and products designed and manufactured primarily for their technical and functional properties rather than their aesthetic or decorative characteristics. Unlike traditional textiles used in clothing and home furnishings, technical textiles are engineered to fulfill specific performance requirements, providing enhanced functionality in various applications. These textiles find application in a wide range of industries due to their unique properties and versatility. One of the primary drivers of the technical textile market is continuous innovation in material science and technology.

Advancements in fiber and fabric technologies have led to the development of high-performance materials with specific properties such as strength, durability, resistance to chemicals, and flame retardancy. These innovations open up new possibilities for technical textiles across diverse applications.

Furthermore, technical textiles find extensive applications across various industries, including automotive, healthcare, construction, sports and outdoor, and protective clothing. The increasing demand for these textiles in these sectors is a significant driver. For instance, the automotive industry utilizes technical textiles for interior components, airbags, and filtration systems, while the healthcare sector relies on medical textiles for wound care, implants, and surgical clothing.

Moreover, the construction industry is a major consumer of technical textiles, utilizing them in geotextiles, architectural membranes, and reinforcement materials. As global infrastructure development and urbanization continue, the demand for

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technical textiles in construction is expected to rise. These textiles offer solutions for soil stabilization, drainage, and environmental protection, contributing to the longevity and sustainability of infrastructure projects.

However, technical textiles are often used in industries where regulatory compliance is crucial, such as healthcare and automotive. Stringent regulations and standards may impose additional costs and challenges for manufacturers to meet compliance requirements.

On the contrary, with the growing aging population and increased focus on healthcare, medical textiles have become a key area of opportunity. Antimicrobial and moisture-wicking textiles are in demand for applications like wound care, surgical clothing, and hygiene products. Smart textiles, incorporating sensors for continuous health monitoring, represent a frontier with immense potential.

The global technical textile market is segmented on the basis of material, process, application, and region. The material segment is categorized into natural fiber, synthetic polymer, mineral, regenerated fiber, and others. On the basis of process, it is divided into woven, knitted, non-woven, and others. Based on application, the market is classified into MobilTech, InduTech, SportTech, BuildTech, HomeTech, ClothTech, MediTech, AgroTech, ProTech, PackTech, OekoTech, and GeoTech. By region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Companies profiled in the report include Asahi Kasei Corporation, Ahlstrom Munksjo, Baltex, Berry Global, Inc., Berkshire Hathaway Inc., Dupont De Nemours, Inc. (Dupont), Duvaltex, Freudenberg & Co. KG, GSE Environmental, HUESKER Synthetic GmbH, Kama Holdings Limited, KONINKLIJKE TEN CATE BV, Milliken & Company, Mitsui Chemicals, Inc., and SKAPS Industries. The other players in the value chain of the market include Bruck Textiles, Gelvenor Textiles, Lanxess, NIKOL Advance Materials Pvt. Ltd, Sanrhea Technical Textiles Limited, Arville Textiles Limited, L. van Heek Textiles bv, HiltexTechnischeWeefsels B.V., Delcotex, Aurich Textiles GmbH, and others.

Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the technical textile market analysis from 2022 to 2032 to identify the prevailing technical textile market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the technical textile market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global technical textile market trends, key players, market segments, application areas, and market growth strategies.

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- Criss-cross segment analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Import Export Analysis/Data
- SWOT Analysis
- Volume Market Size and Forecast

Key Market Segments

By Material

- Synthetic polymers/fibers
- Mineral fiber
- Regenerated Fiber
- Metal fiber
- Others
- Natural Fiber

By Process

- Woven
- Knitted
- Non-Woven
- Others

By End-Use Application

- MobilTech
- InduTech
- SporTech
- BuildTech
- HomeTech
- ClothTech
- MediTech
- AgroTech
- ProTech
- PackTech
- GeoTech
- OekoTech

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
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- France
- Spain
- Italy
- Rest of Europe
- Asia-Pacific
- China
- India
- Japan
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Asahi Kasei Corporation
- Ahlstrom-Munksjo
- BALTEX
- Berry Global, Inc
- BERKSHIRE HATHAWAY INC.
- DUPONT
- DUVALTEX
- FREUDENBERG & CO. KG
- GSE ENVIRONMENTAL
- HUESKER SYNTHETIC GmbH

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