

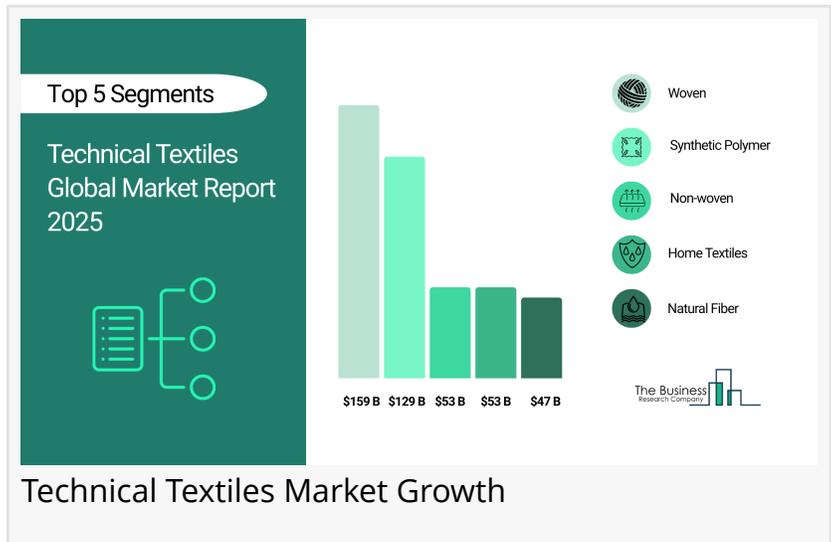
Technical Textiles Market In 2029

*The Business Research Company's
Technical Textiles Global Market Report
2026 - Market Size, Trends, And Global
Forecast 2026-2035*

LONDON, GREATER LONDON, UNITED
KINGDOM, January 27, 2026

/EINPresswire.com/ -- [Technical Textiles
Market](#) to Surpass \$311 billion in 2029.

Within the broader Paper, Plastics,
Rubber, Wood And Textile industry,
which is expected to be \$9,585 billion
by 2029, [the Technical Textiles market](#)
is estimated to account for nearly 3% of the total market value.



Which Will Be the Biggest Region in [the Technical Textiles Market in 2029](#)



The Business Research
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Trends, And Global Forecast
2026-2035"

*The Business Research
Company*

Asia Pacific will be the largest region in the technical
textiles market in 2029, valued at \$115,939 million. The
market is expected to grow from \$86,510 million in 2024 at
a compound annual growth rate (CAGR) of 6%. The strong
growth can be attributed to the increasing popularity of
sportswear and increasing defense and military spending.

Which Will Be The Largest Country In The Global Technical
Textiles Market In 2029?

The USA will be the largest country in the technical textiles
market in 2029, valued at \$61,909 million. The market is

expected to grow from \$49,118 million in 2024 at a compound annual growth rate (CAGR) of 5%.
The strong growth can be attributed to the rising company acquisitions and product
innovations.

Request a free sample of the Technical Textiles Market report

https://www.thebusinessresearchcompany.com/sample_request?id=6525&type=smp

What will be Largest Segment in the Technical Textiles Market in 2029?

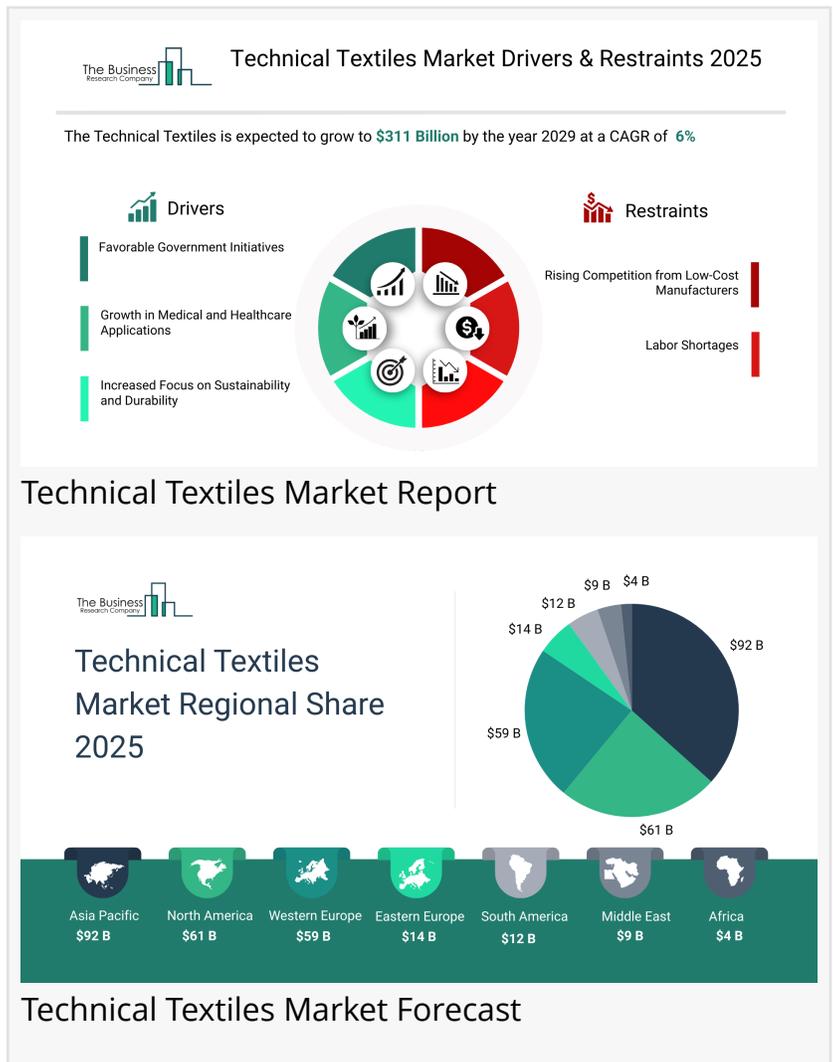
The technical textiles market is segmented by material into natural fiber, synthetic polymer,

regenerated fiber, mineral, metal and other materials. The synthetic polymer market will be the largest segment of the technical textiles market segmented by material, accounting for 51% or \$158,221 million of the total in 2029. The synthetic polymer market will be supported by increasing versatile applications across industries, superior mechanical properties, cost-effectiveness, scalable production, innovations in polymer chemistry, strong demand for lightweight and high-performance materials and widespread use in protective clothing and filtration systems.

The technical textiles market is segmented by process into woven, knitted, non-woven and other processes. The woven market will be the largest segment of the technical textiles market segmented by process, accounting for 61% or \$190,634 million of the total in 2029. The woven market will be supported by its superior strength and durability, wide applicability across automotive, construction and agriculture industries, advanced weaving technologies enhancing fabric performance, growing demand for protective clothing and industrial textiles, scalability in mass production, versatility in fiber types used and increasing adoption in geotextiles and filtration applications.

The technical textiles market is segmented by application into transport textiles, medical and hygiene textiles, industrial products and components, agriculture, horticulture and fishing, home textiles, clothing components, packaging and containment and other applications. The home textiles market will be the largest segment of the technical textiles market segmented by application, accounting for 21% or \$64,684 million of the total in 2029. The home textiles market will be supported by increased demand for functional textiles with antimicrobial, flame-retardant, or water-repellent properties, growth in eco-friendly materials and smart textiles, expanding residential construction and government regulations and fire safety norms.

What is the expected CAGR for the Technical Textiles Market leading up to 2029?
 The expected CAGR for the technical textiles market leading up to 2029 is 6%.



What Will Be The Growth Driving Factors In The Global Technical Textiles Market In The Forecast Period?

The rapid growth of the global technical textiles market leading up to 2029 will be driven by the following key factors that are expected to reshape industrial applications, protective clothing, healthcare solutions, automotive components, and sustainable manufacturing processes worldwide.

Favorable Government Initiatives - The favorable government initiatives will become a key driver of growth in the technical textiles market by 2029. Governments worldwide are actively promoting the expansion of the technical textiles sector through strategic industrial policies. These efforts typically involve financial incentives such as subsidies; tax relief and grants designed to lower manufacturing costs and attract investment in domestic production. Additionally, substantial funding is allocated to research and development, fostering innovation in advanced technical textiles with improved features like enhanced durability, fire resistance and environmental sustainability. Moreover, government infrastructure initiatives often incorporate mandates requiring the use of technical textiles to enhance the longevity and sustainability of projects. The integration of materials like geotextiles in roadways and specialized fabrics in public housing establishes a consistent demand, further supporting sector expansion. As a result, the favorable government initiatives is anticipated to contributing to a 1.5% annual growth in the market.

Growth In Medical And Healthcare Applications - The growth in medical and healthcare applications will emerge as a major factor driving the expansion of the technical textiles market by 2029. The healthcare industry is actively pursuing advanced materials that ensure hygiene, durability, comfort and safety. Technical textiles fulfill these demands by supplying specialized fabrics integral to medical devices, wound care solutions and protective apparel. As global healthcare needs expand, so does the reliance on these innovative textiles. Rising needs for infection control and personal protective equipment, especially post-pandemic, have boosted their usage in disposable and reusable products. Advances in implantable and smart textiles are also creating new growth opportunities by enhancing biocompatibility and enabling health monitoring. Consequently, the growth in medical and healthcare applications capabilities is projected to contributing to a 1.0% annual growth in the market.

Increased Focus On Sustainability And Durability - The increased focus on sustainability and durability within digital manufacturing processes will serve as a key growth catalyst for the technical textiles market by 2029. Growing environmental awareness among industries and consumers is driving demand for technical textiles made from sustainable and eco-friendly materials. The sector is increasingly incorporating fibers and fabrics sourced from renewable or recycled resources, aligning with global initiatives to cut carbon emissions, reduce waste and decrease dependence on finite resources. Technical textiles are valued for their enhanced durability, which ensures resistance to harsh conditions and extended service life. This longevity minimizes the need for frequent replacements, thereby reducing waste and lowering operational costs. Advances in recycling and biodegradable materials further boost the market by reducing

the overall environmental footprint across the product lifecycle. Therefore, this increased focus on sustainability and durability across digital manufacturing operations is projected to supporting to a 0.7% annual growth in the market.

Increasing Popularity Of Sportswear - The increasing popularity of sportswear will become a significant driver contributing to the growth of the technical textiles market by 2029. As participation in sports and fitness activities rises, the demand for performance-enhancing sportswear is expanding rapidly. Technical textiles, engineered for moisture management, breathability, elasticity and quick-drying properties, have become crucial in delivering comfort and optimizing athletic performance. Modern consumers prioritize a blend of comfort and advanced functionality in their sports apparel. These textiles offer lightweight, durable and flexible solutions that facilitate unrestricted movement while providing UV protection and temperature control. Additionally, the increasing number of sports events and active lifestyles is fueling the need for versatile, high-performance sportswear across different climates and activities. Consequently, the increasing popularity of sportswear strategies is projected to contributing to a 0.5% annual growth in the market.

Access the detailed Technical Textiles Market report here:

<https://www.thebusinessresearchcompany.com/report/technical-textiles-global-market-report>

What Are The Key Growth Opportunities In The Technical Textiles Market in 2029?

The most significant growth opportunities are anticipated in the woven technical textiles market, the synthetic polymer technical textiles market and the home technical textiles market. Collectively, these segments are projected to contribute over \$88 billion in market value by 2029, driven by rising demand for high-performance materials, expanding applications in automotive, construction, healthcare, and home furnishings, and continuous innovation in advanced fiber technologies. This surge reflects the accelerating adoption of specialized technical textiles that deliver superior durability, functionality, and design versatility, fueling transformative growth across the broader technical textiles industry.

The woven technical textiles market is projected to grow by \$38,271 million, the synthetic polymer technical textiles market by \$35,536 million, and the home technical textiles market by \$14,153 million over the next five years from 2024 to 2029.

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