

Global High Modulus Glass Fiber for FRTP Market Growth 2026-2032

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Abstracts

The global High Modulus Glass Fiber for FRTP market size is predicted to grow from US\$ 859 million in 2025 to US\$ 1249 million in 2032; it is expected to grow at a CAGR of 5.6% from 2026 to 2032.

High Modulus Glass Fiber for FRTP is a structural reinforcement fiber engineered to provide elevated modulus, superior tensile strength, and enhanced fatigue resistance for fiber-reinforced thermoplastic composites. In 2024, the production of High Modulus Glass Fiber for FRTP was 12,696 tons, with an average price of 66,000 USD per ton. The annual capacity per production line was approximately 500 tons, and the average gross margin was about 71%. In terms of the industrial chain, the upstream includes key raw material suppliers such as silica sand and soda ash. Silica sand (silicon dioxide) determines the transparency and viscosity of the glass melt, represented by Sibelco, U.S. Silica, and Covia; soda ash (sodium carbonate) is used to lower the melting point and adjust the chemical composition of glass, with major suppliers including Solvay, Ciner Group, and Tata Chemicals. The midstream covers processes such as melting, fiber drawing, surface treatment, and composite processing, which are critical to the strength, heat resistance, and interfacial performance of high modulus glass fiber. The downstream is mainly applied in wind turbine blades, infrastructure reinforcement materials, and automotive lightweight components, represented by Vestas, China State Construction, and BMW.

The market outlook is positive: driven by turbine blade scaling in wind energy, durability and retrofit requirements in infrastructure, and lightweighting and high-strength component demand in automotive, high-modulus glass fiber is positioned to capture expanding share in structural FRTP applications. Continued advances in fiber composition, sizings for improved matrix adhesion, and high-throughput composite

processing will raise the technical bar and broaden application windows, offering sustainable growth opportunities for suppliers and OEMs across the value chain.

LP Information, Inc. (LPI) ' newest research report, the "High Modulus Glass Fiber for FRTP Industry Forecast" looks at past sales and reviews total world High Modulus Glass Fiber for FRTP sales in 2025, providing a comprehensive analysis by region and market sector of projected High Modulus Glass Fiber for FRTP sales for 2026 through 2032. With High Modulus Glass Fiber for FRTP sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Modulus Glass Fiber for FRTP industry.

This Insight Report provides a comprehensive analysis of the global High Modulus Glass Fiber for FRTP landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on High Modulus Glass Fiber for FRTP portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Modulus Glass Fiber for FRTP market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Modulus Glass Fiber for FRTP and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global High Modulus Glass Fiber for FRTP.

This report presents a comprehensive overview, market shares, and growth opportunities of High Modulus Glass Fiber for FRTP market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Roving

Chopped Strands

Segmentation by Length:

Length

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