

Global Wind Grade High Modulus Glass Fiber Roving Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Wind Grade High Modulus Glass Fiber Roving market size is expected to reach \$ 3489 million by 2032, rising at a market growth of 11.8% CAGR during the forecast period (2026-2032).

Wind Grade High Modulus Glass Fiber Roving is a single-end untwisted roving formed by direct winding after pool furnace drawing of continuous glass fiber monofilaments, surface sizing application and bundling, which is mainly used to produce reinforcing materials for wind turbine blades including unidirectional fabrics, multiaxial warp-knitted fabrics, prepregs as well as products for pultrusion and infusion processes; it normally appears as white or faint yellow cylindrical packages with slight luster, microscopically composed of massive parallel continuous monofilaments basically without mechanical twisting, featuring bundling stability, abrasion resistance, good spreadability and interfacial compatibility with resins relying on the sizing system, and its core composition covers high-performance glass system, surface sizing and coupling agent system as well as continuous monofilament bundling structure; it is commonly formulated with epoxy resin, vinyl ester resin and unsaturated polyester resin systems, and mainly applied to load-bearing parts of large onshore and offshore wind turbine blades such as spar caps, webs, root sections and shells to enhance the specific stiffness, fatigue life and resin impregnation efficiency of composite materials, while the tensile modulus of single conventional E-glass filament is generally around 72-76 GPa, and glass fibers with modulus raised to about 86-90 GPa can be classified as high-modulus glass fibers. In 2025, the global sales volume of Wind Grade High Modulus Glass Fiber Roving was approximately 455,000 tons, with an average price of 3,660 US dollars per ton and an average industry gross profit margin of about 29%.

The global Wind Grade High Modulus Glass Fiber Roving is in a high-prosperity

cycle. The boom in offshore wind power and the upsizing of wind blades are driving rigid growth in demand for high-modulus rovings. High-end grades such as 90GPa+ high-strength and high-modulus products, epoxy-specific grades, and grades with low-VOC sizing have become mainstream in the market, replacing conventional E-glass and part of carbon fiber. On the supply side, concentration among leading players is rising and technical barriers are deepening, with Chinese leading enterprises and international giants dominating production capacity. Customization, green production, and cost performance have become the core of competition.

This report studies the global Wind Grade High Modulus Glass Fiber Roving production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Wind Grade High Modulus Glass Fiber Roving and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Wind Grade High Modulus Glass Fiber Roving that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Wind Grade High Modulus Glass Fiber Roving total production and demand, 2021-2032, (Kilotons)

Global Wind Grade High Modulus Glass Fiber Roving total production value, 2021-2032, (USD Million)

Global Wind Grade High Modulus Glass Fiber Roving production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Wind Grade High Modulus Glass Fiber Roving consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Wind Grade High Modulus Glass Fiber Roving domestic production, consumption, key domestic manufacturers and share

Global Wind Grade High Modulus Glass Fiber Roving production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Wind Grade High Modulus Glass Fiber Roving production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Wind Grade High Modulus Glass Fiber Roving production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Wind Grade High Modulus Glass Fiber

Roving market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Owens Corning, China Jushi Co.,Ltd., Chongqing Polycomp International Corporation, Taishan Fiberglass Co., Ltd., Nippon Electric Glass, 3B Fibreglass, Shandong Fiberglass Group, AGY, Nittobo, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Wind Grade High Modulus Glass Fiber Roving market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Wind Grade High Modulus Glass Fiber Roving Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Wind Grade High Modulus Glass Fiber Roving Market, Segmentation by Type:

86?90 GPa

90?95 GPa

95?100+ GPa

Global Wind Grade High Modulus Glass Fiber Roving Market, Segmentation by Resin Compatibility System:

Epoxy?Specific High Modulus Roving

Vinyl Ester / UP?Specific High Modulus Roving

Global Wind Grade High Modulus Glass Fiber Roving Market, Segmentation by Glass Type:

High Modulus E?Glass Roving

TCR Modified High Strength & Modulus Glass Roving

S?1 HM Ultra?High Strength & Modulus Glass Roving

HMG High Modulus High Strength Wind Direct Roving

Others

Global Wind Grade High Modulus Glass Fiber Roving Market, Segmentation by Application:

Main Spar & Pultruded Spar Plates

Webs

Blade Shells

Leading & Trailing Edge Components

Others

Companies Profiled:

Owens Corning

China Jushi Co.,Ltd.

Chongqing Polycomp International Corporation

Taishan Fiberglass Co., Ltd.

Nippon Electric Glass

3B Fibreglass

Shandong Fiberglass Group

AGY

Nittobo

Key Questions Answered:

1. How big is the global Wind Grade High Modulus Glass Fiber Roving market?
2. What is the demand of the global Wind Grade High Modulus Glass Fiber Roving market?
3. What is the year over year growth of the global Wind Grade High Modulus Glass Fiber Roving market?
4. What is the production and production value of the global Wind Grade High Modulus Glass Fiber Roving market?
5. Who are the key producers in the global Wind Grade High Modulus Glass Fiber Roving market?
6. What are the growth factors driving the market demand?

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