

Global Glass Fiber Twisted Yarns Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G585A04AFF24EN.html>

Date: July 2026

Pages: 118

Price: US\$ 4,480.00 (Single User License)

ID: G585A04AFF24EN

Abstracts

The global Glass Fiber Twisted Yarns market size is expected to reach \$ 3288 million by 2032, rising at a market growth of 4.8% CAGR during the forecast period (2026-2032).

Glass fiber twisted yarns are fine glass fiber yarn products made from continuous glass fiber strands through unwinding, doubling, twisting, plying, cabling, winding, heat-setting and sizing-compatible processing. They are generally treated as yarn products rather than roving products. Key upstream raw materials include silica sand, pyrophyllite, limestone, boron minerals, soda ash, kaolin, alumina, and sizing systems such as starch-based, silane-based, paraffin-based and reinforcement-oriented sizings. Twisting improves yarn cohesion, abrasion resistance, weaving stability and downstream processability. Major applications include electronic glass fabrics, insulating tapes, filtration fabrics, industrial textiles, fiberglass sleeves, construction mesh, high-temperature protective materials, composite reinforcement fabrics, sewing threads and braided materials.

In 2025, global glass fiber twisted yarns production reached approximately 1.5 million tons, with an average global market price is \$1,500 per ton.

From a global industry perspective, glass fiber twisted yarns have evolved from general glass-fiber yarns into critical base materials for electrical and electronic applications, industrial protection, thermal insulation and composite reinforcement. Compared with untwisted rovings or PLY rovings, twisted yarns place greater emphasis on yarn cohesion, roundness, weaving stability, abrasion resistance, low fuzz and compatibility with fine- to medium-count textile processing. Compared with organic-fiber yarns, glass fiber offers non-combustibility, high strength, heat resistance, electrical insulation and

dimensional stability, making it suitable for electrical insulation, high-temperature textiles, fire-retardant materials and structural reinforcement. E-glass yarns generally provide strong electrical insulation, moisture resistance and heat resistance, and can be processed into cloth, nets, tapes, braids and other industrial forms.

In terms of industry trends, glass fiber twisted yarns are moving toward finer counts, higher strength, lower fuzz, fewer breaks, stable twist, higher weaving efficiency, higher temperature resistance and optimized surface-sizing systems. Traditional products focused mainly on linear density, twist level, breaking strength and price, while customers in electronic fabrics, insulating sleeving, coated textiles and high-temperature protection increasingly require tension stability, controlled filament damage, yarn uniformity, sizing compatibility, weaving or braiding efficiency and batch consistency. Twisting improves yarn cohesion and processing stability, but excessive twist may affect flexibility, wet-out speed and composite interface performance, so different applications require tailored twist direction, twist level, ply count and glass type.

The main growth drivers come from three areas. First, electronic fabrics, copper-clad laminates, insulating sleeving, motor and transformer insulation, high-temperature industrial textiles and fire-protection materials continue to require stable, heat-resistant, insulating and weavable fiberglass yarns. Second, growth in electric vehicles, power equipment, data centers, wind power, rail transit, aerospace, industrial filtration and lightweight composites is raising requirements for low fuzz, low defect levels, high strength and strong consistency. Third, downstream weaving, braiding, coating, dipping, resin-composite and insulation-processing companies increasingly focus on processing efficiency, yarn breakage, surface-treatment matching and long-term reliability, turning glass fiber twisted yarns from general glass-fiber yarns into engineered intermediate materials for specific industrial conditions.

This report studies the global Glass Fiber Twisted Yarns production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Glass Fiber Twisted Yarns 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 Glass Fiber Twisted Yarns that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Glass Fiber Twisted Yarns total production and demand, 2021-2032, (Kilotons)

Global Glass Fiber Twisted Yarns total production value, 2021-2032, (USD Million)

Global Glass Fiber Twisted Yarns production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Glass Fiber Twisted Yarns consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Glass Fiber Twisted Yarns domestic production, consumption, key domestic manufacturers and share

Global Glass Fiber Twisted Yarns production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Glass Fiber Twisted Yarns production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Glass Fiber Twisted Yarns production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Glass Fiber Twisted Yarns 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 China Jushi, Saint-Gobain Vetrotex, Nippon Electric Glass, Nittobo, Taishan Fiberglass, CPIC, PFG Fiber Glass Corporation, Fulltech Fiber Glass, AGY Holding Corp., F.I.T Industrial, 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 Glass Fiber Twisted Yarns 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 Glass Fiber Twisted Yarns Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Glass Fiber Twisted Yarns Market, Segmentation by Type:

E-glass

C-glass

S-glass

Others

Global Glass Fiber Twisted Yarns Market, Segmentation by Twist Structure:

Primary Twisted Yarn

Plied Twisted Yarn

Cabled Twisted Yarn

Others

Global Glass Fiber Twisted Yarns Market, Segmentation by Application Grade:

Electronic-grade Yarn

Industrial-grade Yarn

Others

Global Glass Fiber Twisted Yarns Market, Segmentation by Application:

Electronic Glass Fabric

Insulating Tapes and Electrical Materials

Filtration Fabrics

Industrial Fabrics and Mesh

Others

Companies Profiled:

China Jushi

Saint-Gobain Vetrotex

Nippon Electric Glass

Nittobo

Taishan Fiberglass

CPIC

PFG Fiber Glass Corporation

Fulltech Fiber Glass

AGY Holding Corp.

F.I.T Industrial

Valmiera Glass Group

Jiangxi HuaYuan New Material

Taiwan Glass Group

Shandong Fiberglass Group

Key Questions Answered:

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

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