

Global Alkali-Free Glass Fiber Twisted Yarn Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Alkali-Free Glass Fiber Twisted Yarn market size was valued at US\$ 2472 million in 2025 and is forecast to a readjusted size of US\$ 3417 million by 2032 with a CAGR of 4.7% during review period.

Alkali-free glass fiber twisted yarn is an industrial reinforcing yarn material produced by taking alkali-free glass fiber as the raw material?following fiber drawing?and subjecting multiple strands of continuous or chopped glass fiber filaments to a twisting process.

The upstream segment of the industry chain primarily involves glass raw materials (such as quartz sand, limestone, and alumina), chemical additives, and sizing agents; these are processed via high-temperature melting and fiber drawing to produce E-glass (alkali-free) glass fiber strands. The midstream segment consists of the manufacturing of twisted yarn, where continuous glass fiber strands undergo bundling, twisting, sizing, and heat-setting to create products with superior bundle integrity and weaving performance; these are subsequently processed into direct rovings or yarn systems for weaving. The downstream segment sees widespread application in composite material reinforcement?including wind turbine blades, automotive structural components, marine and rail transport parts, construction reinforcement materials, and electrical insulation materials?serving as a fundamental reinforcing material within glass fiber composite systems.

In 2025, global sales volume for alkali-free glass fiber twisted yarn reached 858,000 metric tons, with a production capacity of approximately 1.225 million metric tons; the average selling price was \$2.80 per kilogram, and the average gross profit margin ranged from 20% to 30%.

Global policies regarding carbon neutrality and new energy have significantly boosted demand for wind power and lightweight materials, indirectly driving the consumption of twisted glass fiber yarns; meanwhile, the emphasis placed by various nations on establishing independent supply chains for high-end composite materials has spurred capacity expansion and technological upgrades within the domestic glass fiber industry. China's "dual carbon" goals and wind power installation plans, the European Green Deal, and the U.S. Infrastructure Act all provide long-term demand support for the sector, while simultaneously raising the bar for technical standards regarding high-performance materials.

This report is a detailed and comprehensive analysis for global Alkali-Free Glass Fiber Twisted Yarn market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Alkali-Free Glass Fiber Twisted Yarn market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/kg), 2021-2032

Global Alkali-Free Glass Fiber Twisted Yarn market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/kg), 2021-2032

Global Alkali-Free Glass Fiber Twisted Yarn market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/kg), 2021-2032

Global Alkali-Free Glass Fiber Twisted Yarn market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/kg), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Alkali-Free Glass Fiber Twisted Yarn

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Alkali-Free Glass Fiber Twisted Yarn market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nippon Electric Glass, Owens Corning, Saint-Gobain, Jushi Group, Taishan Fiberglass, CPIC, Johns Mansville, Nittobo, AGY Holding Corp, Chomarat, etc.

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

Market Segmentation

Alkali-Free Glass Fiber Twisted Yarn market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-Ply Twisted Yarn

Multi-Ply Twisted Yarn

Market segment by Twist Level

20-80 T/m

80-200 T/m

?200 T/m

Market segment by Connection Method

Braiding

Stranding

Market segment by Application

Electronics & Electrical

Wind Power

Construction

Transportation

Others

Major players covered

Nippon Electric Glass

Owens Corning

Saint-Gobain

Jushi Group

Taishan Fiberglass

CPIC

Johns Mansville

Nittobo

AGY Holding Corp

Chomarat

Huayuan New Materials

Huierjie

Nankang Luobian Fiberglass

Ganzhou Guangjian Fiberglass

Shangyou Yanhu Glass Fiber

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Alkali-Free Glass Fiber Twisted Yarn product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Alkali-Free Glass Fiber Twisted Yarn, with price, sales quantity, revenue, and global market share of Alkali-Free Glass Fiber Twisted Yarn from 2021 to 2026.

Chapter 3, the Alkali-Free Glass Fiber Twisted Yarn competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Alkali-Free Glass Fiber Twisted Yarn breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Alkali-Free Glass Fiber Twisted Yarn market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Alkali-Free Glass Fiber Twisted Yarn.

Chapter 14 and 15, to describe Alkali-Free Glass Fiber Twisted Yarn sales channel, distributors, customers, research findings and conclusion.

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