

Global Alkali-Free Glass Fiber Untwisted 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 Untwisted Yarn market size was valued at US\$ 2123 million in 2025 and is forecast to a readjusted size of US\$ 2946 million by 2032 with a CAGR of 4.8% during review period.

Alkali-free glass fiber untwisted yarn refers to a basic glass fiber yarn material composed of continuous alkali-free glass fiber strands or bundles; it is produced by gathering strands and applying sizing agents without undergoing a twisting process.

In 2025, global sales volume for alkali-free glass fiber untwisted yarns reached 2.68 million tons, with a production capacity of approximately 3.82 million tons; the average selling price was \$770 per ton, and the average gross profit margin ranged from 20% to 30%.

The upstream segment of the industry chain primarily involves basic mineral raw materials such as quartz sand, limestone, and alumina and chemical additives like boric acid and soda ash. These are processed via high-temperature melting and fiber drawing to produce E-glass continuous fiber strands, alongside sizing agents (e.g., silane coupling agents and film-forming agents) designed to enhance fiber bundle integrity and resin compatibility. The midstream segment consists of the manufacturing process, where continuous strands are gathered and coated with sizing agents to form untwisted yarn products; these are subsequently used to weave fiberglass fabrics or serve as substrates for composite material prepreps. The downstream segment encompasses a wide range of applications including composite materials for wind turbine blades, lightweight automotive structural components, parts for marine vessels and rail transit, construction reinforcement materials, and electrical insulation making it

a fundamental reinforcing raw material within composite material systems.

Global "dual-carbon" policies and the transition to new energy continue to drive demand for wind power and lightweight materials, serving as the industry's core growth engines. Meanwhile, nations are localizing supply chains for key composite materials, thereby elevating the strategic importance of the fiberglass industry. Overall, the industry is witnessing a trend where capital expenditure is concentrating on high-end production capacity while competition intensifies in the low-end segment; although China holds a distinct advantage in terms of scale expansion, its high-end certification systems still rely on standards from Europe, the United States, and Japan.

This report is a detailed and comprehensive analysis for global Alkali-Free Glass Fiber Untwisted 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 Untwisted Yarn market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

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

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

Global Alkali-Free Glass Fiber Untwisted Yarn market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 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 Untwisted 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 Untwisted 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 Owens Corning, Nippon Electric Glass, Saint-Gobain, Jushi Group, Taishan Fiberglass, CPIC, Nittobo, AGY Holding Corp, Chomarat, PFG Fiber Glass, etc.

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

Market Segmentation

Alkali-Free Glass Fiber Untwisted 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 Untwisted Yarn

Plied Untwisted Yarn

Market segment by Yarn Structure

Direct Roving

Assembled Roving

Market segment by Monofilament Diameter

5?9 ?m

9?13 ?m

13?24 ?m

Market segment by Application

Electronics & Electrical

Wind Power

Construction

Transportation

Others

Major players covered

Owens Corning

Nippon Electric Glass

Saint-Gobain

Jushi Group

Taishan Fiberglass

CPIC

Nittobo

AGY Holding Corp

Chomarat

PFG Fiber Glass

Huierjie

Taizhou Qixin Fiberglass

Sichuan Shunmei New Materials

Jiangsu Changhai Composite Materials

Changzhou Tianma Group

Jiangsu Jiuding New Materials

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 Untwisted Yarn product scope, market overview, market estimation caveats and base year.

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

Chapter 3, the Alkali-Free Glass Fiber Untwisted 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 Untwisted 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 Untwisted 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 Untwisted Yarn.

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

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