

# Global Glass Fiber Yarn Market Size Study & Forecast, by Yarn Type, End-Use Industry, Application, and Regional Forecasts 2025–2035

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## Abstracts

The Global Glass Fiber Yarn Market is valued at approximately USD 8.56 billion in 2024 and is poised to expand at a healthy CAGR of 5.80% over the forecast period 2025–2035. Glass fiber yarn, a fundamental reinforcement material known for its high strength, lightweight nature, and superior thermal and electrical insulation properties, plays a vital role in composite manufacturing across multiple industries. These fine strands of drawn glass are intricately woven or spun into yarns that are utilized in applications such as wind energy, automotive interiors, aerospace components, textiles, and electronic insulators. The market has been gaining significant momentum due to the surging demand for lightweight and durable composite materials as industries shift toward more sustainable and high-performance alternatives.

In recent years, advancements in continuous filament yarns and staple fiber yarns have enabled the tailoring of glass fiber yarns to meet specific industrial requirements. From electric vehicles requiring weight-saving components to smart textiles integrating flexible electronics, the scope of applications is expanding rapidly. A notable factor bolstering market expansion is the increasing use of fiberglass yarns in wind turbine blades and fiberglass insulation, both of which are critical to the global energy transition and green construction initiatives. As industries ramp up efforts to meet regulatory standards for emissions, thermal efficiency, and lightweighting, the demand for composite reinforcements such as glass fiber yarn has surged considerably. Additionally, glass fiber's recyclability and low environmental footprint compared to traditional reinforcements make it an attractive choice in eco-conscious design.

Regionally, North America holds a prominent share in the global market, underpinned by well-established automotive, aerospace, and energy sectors that rely extensively on

glass fiber composites for performance optimization. Moreover, stringent U.S. regulations regarding thermal and electrical insulation in construction have amplified the deployment of fiberglass yarns across commercial and residential infrastructure. Meanwhile, Europe remains a formidable market, owing to aggressive sustainability goals and the flourishing demand for renewable energy applications like wind turbine blades. Asia Pacific is set to witness the fastest growth throughout the forecast timeline, particularly driven by China and India's booming infrastructure sector, rising consumer electronics production, and governmental focus on smart cities. The region's rapidly evolving industrial landscape, coupled with a surge in investments in lightweight materials, continues to foster immense opportunities for manufacturers.

Major market player included in this report are:

Owens Corning

Jushi Group Co., Ltd.

Saint-Gobain S.A.

Nippon Electric Glass Co., Ltd.

Taishan Fiberglass Inc.

PFG Fiber Glass Corporation

3B-Fibreglass

AGY Holding Corp.

Johns Manville

Nitto Boseki Co., Ltd. (Nittobo)

Chongqing Polycomp International Corp.

Binani Industries Ltd.

Fibre Glass Industries Inc.

SAERTEX GmbH & Co. KG

Valmiera Glass Group

Global Glass Fiber Yarn Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Yarn Type:

Continuous Filament Yarn

## Staple Fiber Yarn

### By End-Use Industry:

Automotive

Construction

Aerospace

Textiles

Electronics

### By Application:

Automotive Interiors

Reinforcement for Composites

Wind Turbine Blades

Fiberglass Insulation

Electrical Insulators

### By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

#### Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

#### Latin America

Brazil

Mexico

#### Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

#### Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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