

Glass Fiber Reinforcements - A Global Market Overview

Market Report | 2025-06-10 | 315 pages | Industry Experts

AVAILABLE LICENSES:

- Single user licence (PDF) \$4500.00
- Enterprise Electronic (PDF) \$7200.00

Report description:

Global Glass Fiber Market Trends and Outlook

Glass fiber reinforcements are high-strength materials made from fine strands of glass, widely used to enhance the mechanical properties of polymer-based composites such as fiberglass. These reinforcements are available in various types, E-glass for electrical insulation, S-glass for superior strength, C-glass for chemical resistance, and AR-glass for alkali resistance in cement applications. Glass fibers offer numerous advantages including a high strength-to-weight ratio, corrosion and chemical resistance, excellent electrical insulation, cost-effectiveness, design flexibility, thermal stability, and dimensional reliability. These properties make them ideal for a broad range of industries such as construction (wall panels, bridge decks), automotive (body panels, bumpers), aerospace (interiors, cargo liners), marine (boat hulls), electrical (cable trays), sports (helmets, skis), and renewable energy (wind turbine blades and nacelles).

The year 2023 marked an exceptionally challenging period for the global glass fiber and composites industry. Slower-than-expected demand growth across major application areas, compounded by the effects of earlier overexpansion, especially in China, caused inventory levels to spike. Smaller manufacturers, under financial strain, initiated aggressive price reductions, driving prices of standard products like direct yarn to historic lows. Although mid-year saw some recovery in demand and stabilization in inventory, overall market sentiment remained weak, and prices struggled to rebound.

Looking ahead, the global glass fiber industry is poised for a period of sustained growth, driven by megatrends such as the transition to carbon neutrality, advancements in green technologies, and increasing adoption of sustainable materials. The global demand for glass fibers is projected to reach 8.4 million metric tons by 2030, growing at a CAGR of 4.7% between 2024 and 2030. In value terms, the market is expected to reach US\$12.3 billion by 2030. Key growth drivers include wind turbine blades, electric vehicles, and commercial aircraft, all of which rely heavily on lightweight and durable composite materials.

The global glass fiber market is highly concentrated and exhibits an oligopolistic structure. The top seven manufacturers, Jushi Group Co., Ltd., Owens Corning, Taishan Fiberglass Inc. (CTGF), Chongqing Polycomp International Corporation (CPIC), Nippon Electric Glass Co., Ltd. (NEG), Shandong Fiberglass Group Co., Ltd., and Johns Manville Corporation, collectively account for approximately 77% of the world's total glass fiber production capacity. These industry leaders are well-positioned to benefit from

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

rising demand and are expected to further consolidate their market dominance in the coming years.

Glass Fiber Regional Market Analysis

Driven by rapid urbanization, infrastructure development, and industrial transformation in China and India, the Asia-Pacific region dominates the global glass fiber market, accounting for 47.5% of the market by value in 2024. Applications span both cyclical sectors like construction and industrial equipment and high-growth areas such as lightweight automotive, 5G, wind power, and photovoltaics-offering a mix of stability and expansion. With strong policy support for clean energy and sustainable materials, the region is projected to remain the largest and fastest-growing market, reaching US\$6.3 billion by 2030 at a CAGR of 5%.

Global Glass Fiber Market Analysis by Product Form

The global glass fiber market by product form is dominated by chopped strands, which hold a 26% volume share in 2024 and are projected to grow at a CAGR of 4.8%, surpassing 2 million metric tons by 2030. Chopped strands are favored for their versatility and cost-effectiveness, offering strength, durability, and resistance to environmental stress, making them ideal for reinforcing materials in construction, automotive, and marine applications. In contrast, woven rovings are set to record the fastest growth, with a projected CAGR of 5.9% through 2030, driven by their critical role in high-growth sectors such as wind energy-particularly in wind turbine blades-as well as pipes, tanks, and core applications in building and construction.

Global Glass Fiber Market Analysis by End-use Application

Building & Construction represents the largest end-use sector for glass fibers globally, accounting for a 22.5% volume share in 2024. With a projected CAGR of 4.5% from 2024 to 2030, glass fiber consumption in this sector is expected to reach 1.9 million metric tons by 2030. Glass fibers are valued in construction for their strength, durability, and lightweight nature, with key applications including glass fiber reinforced concrete (GFRC) for facades and decorative elements, as well as roofing shingles, membranes, wall panels, and ceiling tiles for enhanced fire resistance and structural integrity. They also reinforce plastics and composites in doors, windows, and structural profiles, and are used in concrete mixes to improve tensile strength and minimize cracking. Meanwhile, Wind Energy is poised to be the fastest-growing application, with glass fiber demand projected to grow at a robust CAGR of 8.2%, reaching nearly 1 million metric tons by 2030, driven by rising investments in renewable energy and the material's high strength-to-weight ratio essential for wind turbine blades.

Glass Fiber Market Report Scope

This global report on Glass Fiber analyzes the market based on product form and end-use application for the period 2021-2030 with projections from 2024 to 2030 in terms of volume consumption in metric tons and value market in US\$. This report also reveals historical and current glass fibers installed production capacities and future expansions by glass fiber manufacturers across the globe. In addition to providing profiles of major companies operating in this space, the latest corporate and industrial developments have been covered to offer a clear panorama of glass fiber industry.

Key Metrics

Historical Period: 2021-2023

Base Year: 2024

Forecast Period: 2024-2030

Units: Volume consumption in Metric Tons and Value market in US\$

Companies Mentioned: 70+

Global Glass Fiber Market by Geographic Region

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- North America (The United States and Canada)
- Europe (France, Germany, Italy, Spain, The United Kingdom and Rest of Europe)
- Asia-Pacific (China, India, Japan, South Korea and Rest of Asia-Pacific)
- Rest of World (Brazil, Russia, Turkiye and Other ROW)

Global Glass Fiber Market by Product Form

- Single-end Rovings
- Multi-end Rovings
- Woven Rovings
- Chopped Strands
- Chopped Strand Mat (CSM)
- Continuous Filament Mat (CFM)
- Fabrics
- Others

Global Glass Fiber Market by End-use Application

- Automotive & Transportation
- Marine
- Wind Energy
- Pipe, Tank & Other Corrosion Equipment
- Building & Construction
- Electricals & Electronics
- Consumer Goods
- Aerospace & Defense
- Others

Global Glass Fiber Installed (Theoretical) Production Capacity

- Glass Fiber Installed Production Capacity by Manufacturer and Plant Location
- Glass Fiber Installed (Theoretical) Production Capacity by Country and Region

Table of Contents:

PART A: GLOBAL MARKET PERSPECTIVE

1. INTRODUCTION

o□Product Outline

- Manufacturing Process of Glass Fiber
- Glass Fiber Product Segmentation
- Glass Fiber Reinforcements
- Glass Fiber Chemical Compositions and Properties
- Types or forms of Glass Fiber Reinforcements
- Roving
- Chopped Strands
- Chopped Strand Mat (CSM)
- Continuous Filament Mat (CFM)
- Fabrics
- Other Forms of Glass Fiber
- A Snapshot of Global Market for Glass Fiber Product Forms in 2020

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Competitive Materials
- o□End-use Application Areas for Glass Fiber Reinforcements
- Automotive & Transportation
- Marine
- Wind Energy
- Pipes, Tanks & Other Corrosion Resistant Equipment
- Building and Construction
- Electricals and Electronics
- Consumer Goods
- Aerospace & Defense
- Other Application Areas

2. KEY MARKET TRENDS

3. INDUSTRY LANDSCAPE

- o□Global Glass Fibers Production Capacity

- o□Key Market Players

- 3B-FiberGlass (Praana Group)
- China Jushi Group Co., Ltd. (China)
- Chongqing Polycomp International Corporation (CPIC)
- Chongqing Sanlei Glassfiber Co., Ltd.
- Jiangsu Changhai Composite Materials Co., Ltd.
- Johns Manville Corporation
- KCC Corporation
- Nippon Electric Glass Co. Ltd (NEG)
- Owens Corning
- Shandong Fiberglass Group Co., Ltd.
- Sichuan Weibo New Material Group Co., Ltd.
- Sisecam Elyaf Sanayii A.S.
- Taishan Fiberglass Inc. (CTGF)

4. KEY BUSINESS & PRODUCT TRENDS

5. GLOBAL MARKET OVERVIEW

- o□Global Glass Fiber Reinforcements Market Overview by Product Form

- o□Global Glass Fiber Reinforcements Market Overview by End-Use Application

- Volume Analysis
- Value Analysis
- Global Glass Fiber Reinforcements End-use Application Market Overview by Geographic Region
- Automotive & Transportation
- Volume Analysis
- Value Analysis
- Marine
- Volume Analysis
- Value Analysis
- Wind Energy
- Volume Analysis
- Value Analysis
- Pipes, Tanks & Other Corrosion Resistant Equipment
- Volume Analysis
- Value Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Building & Construction
- Volume Analysis
- Value Analysis
- Electricals & Electronics
- Volume Analysis
- Value Analysis
- Consumer Goods
- Volume Analysis
- Value Analysis
- Aerospace & Defense
- Volume Analysis
- Value Analysis
- Other Applications
- Volume Analysis
- Value Analysis

PART B: REGIONAL MARKET PERSPECTIVE

- Global Glass Fiber Reinforcements Market Overview by Geographic Region

- o□Volume Analysis

- o□Value Analysis

REGIONAL MARKET OVERVIEW

6. NORTH AMERICA

- o□North American Glass Fiber Reinforcements Market Overview by Geographic Region

- Volume Analysis

- Value Analysis

- o□North American Glass Fiber Reinforcements Market Overview by End-Use Application

- Volume Analysis

- Value Analysis

- o□North American Glass Fiber Reinforcements Market Overview by Product Form

- o□Major Market Players

- o□Glass Fiber Reinforcements Market Overview by North American Region

- The United States

- United States Glass Fiber Reinforcements Market Analysis Overview by End-Use Application

- Volume Analysis

- Value Analysis

- United States Glass Fiber Reinforcements Market Overview by Product Form

- Canada

- Canada Glass Fiber Reinforcements Market Overview by End-Use Application

- Volume Analysis

- Value Analysis

- Canada Glass Fiber Reinforcements Market Overview by Product Form

7. EUROPE

- o□European Glass Fiber Reinforcements Market Overview by Geographic Region

- Volume Analysis

- Value Analysis

- o□European Glass Fiber Reinforcements Market Overview by End-Use Application

- Volume Analysis

- Value Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- o European Glass Fiber Reinforcements Market Overview by Product Form
- o Major Market Players
- o Glass Fiber Reinforcements Market Overview by European Region
 - Germany
 - Germany Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - Germany Glass Fiber Reinforcements Market Overview by Product Form
 - France
 - France Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - France Glass Fiber Reinforcements Market Overview by Product Form
 - Italy
 - Italy Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - Italy Glass Fiber Reinforcements Market Overview by Product Form
 - Spain
 - Spain Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - Spain Glass Fiber Reinforcements Market Overview by Product Form
 - The United Kingdom
 - United Kingdom Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - United Kingdom Glass Fiber Reinforcements Market Overview by Product Form
 - Rest of Europe
 - Rest of Europe Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - Rest of Europe Glass Fiber Reinforcements Market Overview by Product Form
- 8. ASIA-PACIFIC
 - o Asia-Pacific Glass Fiber Reinforcements Market Overview by Geographic Region
 - Volume Analysis
 - Value Analysis
 - o Asia-Pacific Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis
 - o Asia-Pacific Glass Fiber Reinforcements Market Overview by Product Form
 - o Major Market Players
 - o Glass Fiber Reinforcements Market Overview by Asia-Pacific Region
 - Japan
 - Japan Glass Fiber Reinforcements Market Overview by End-Use Application
 - Volume Analysis
 - Value Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Japan Glass Fiber Reinforcements Market Overview by Product Form
- China
- China Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- China Glass Fiber Reinforcements Market Overview by Product Form
- India
- India Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- India Glass Fiber Reinforcements Market Overview by Product Form
- South Korea
- South Korea Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- South Korea Glass Fiber Reinforcements Market Overview by Product Form
- Rest of Asia-Pacific
- Rest of APAC Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- Rest of APAC Glass Fiber Reinforcements Market Overview by Product Form

9. REST OF WORLD

- o□Rest of World Glass Fiber Reinforcements Market Overview by Geographic Region
- Volume Analysis
- Value Analysis
- o□Rest of World Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- o□Rest of World Glass Fiber Reinforcements Market Overview by Product Form
- o□Major Market Players
- o□Glass Fiber Reinforcements Market Overview by Rest of World Region
- Russia
- Russia Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- Russia Glass Fiber Reinforcements Market Overview by Product Form
- Turkey
- Turkey Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- Turkey Glass Fiber Reinforcements Market Overview by Product Form
- Brazil
- Brazil Glass Fiber Reinforcements Market Overview by End-Use Application
- Volume Analysis
- Value Analysis
- Brazil Glass Fiber Reinforcements Market Overview by Product Form
- Other Rest of World

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

-□Other ROW Glass Fiber Reinforcements Market Overview by End-Use Application

-□Volume Analysis

-□Value Analysis

-□Other ROW Glass Fiber Reinforcements Market Overview by Product Form

PART C: GUIDE TO THE INDUSTRY

-□NORTH AMERICA

-□EUROPE

-□ASIA-PACIFIC

-□REST OF WORLD

PART D: ANNEXURE

-□RESEARCH METHODOLOGY

-□FEEDBACK

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Glass Fiber Reinforcements - A Global Market Overview

Market Report | 2025-06-10 | 315 pages | Industry Experts

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single user licence (PDF)	\$4500.00
	Enterprise Electronic (PDF)	\$7200.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-02-22"/>
		Signature	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com