

## **Fiberglass Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

Market Report | 2025-01-08 | 120 pages | Global Market Insights

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### **Report description:**

The Global Fiberglass Market, valued at USD 28.7 billion in 2024, is set to experience robust growth with an expected CAGR of 6.4% from 2025 to 2034. Fiberglass, known for its impressive strength, durability, and versatility, is becoming increasingly essential in a variety of industries thanks to continuous technological advancements. Manufacturers have made significant improvements to the material's thermal stability, flexibility, and strength, expanding its application across construction, automotive, aerospace, and renewable energy sectors. The ongoing innovation in fiberglass, including the development of fire-resistant and eco-friendly options, is largely driven by stricter safety and environmental regulations. These innovations are not only addressing the demand for more sustainable materials but also enhancing the material's performance across diverse applications. Its remarkable corrosion resistance further solidifies fiberglass as a top choice for reinforcing concrete and other structural components, particularly in industries that require long-lasting, durable materials.

The E Glass segment of the fiberglass market dominated in 2024, accounting for 65% of the total market share. E Glass, widely recognized for its affordability and versatility, is the material of choice for a wide range of applications in industries such as construction, automotive, and aerospace. Its balanced properties make it an ideal option for general-purpose use, particularly in structural reinforcement and insulation. On the other hand, ECR Glass, known for its superior corrosion resistance, is gaining significant traction in industries that demand higher durability, such as marine and chemical processing sectors.

In terms of product type, the glass wool segment led the market with a 42.1% share in 2024. Glass wool's exceptional thermal and acoustic insulation properties make it an indispensable material in construction and HVAC systems. The market also sees significant demand for chopped strand products, which are valued for their versatility in reinforcing composites across industries such as automotive and marine. Additionally, yarn products, mainly used in textiles and specialty fabrics, continue to maintain a steady presence in the fiberglass market.

North America, holding 22.1% of the global fiberglass market share in 2024, is a key region driving growth. The United States,

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with a market value of USD 3.5 billion, plays a major role in the development of the fiberglass market, bolstered by the thriving construction and automotive sectors. Fiberglass is heavily relied upon in these industries, particularly for insulation, composite materials, and lightweight components. The aerospace industry also contributes significantly to the market, with fiberglass composites being essential in aircraft manufacturing. Additionally, the wind energy sector in the U.S. has a growing demand for fiberglass, particularly in the production of wind turbine blades, further driving the material's market expansion.

## **Table of Contents:**

### Report Content

#### Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
  - 1.4.1 Primary
  - 1.4.2 Secondary
    - 1.4.2.1 Paid sources
    - 1.4.2.2 Public sources

#### Chapter 2 Executive Summary

- 2.1 Industry synopsis, 2021-2034

#### Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
    - 3.1.1 Factor affecting the value chain
    - 3.1.2 Profit margin analysis
    - 3.1.3 Disruptions
    - 3.1.4 Future outlook
    - 3.1.5 Manufacturers
    - 3.1.6 Distributors
  - 3.2 Supplier landscape
  - 3.3 Profit margin analysis
  - 3.4 Key news & initiatives
  - 3.5 Regulatory landscape
  - 3.6 Impact forces
    - 3.6.1 Growth drivers
      - 3.6.1.1 Construction and infrastructure development
      - 3.6.1.2 Automotive lightweighting
      - 3.6.1.3 Wind energy expansion
    - 3.6.2 Industry pitfalls & challenges
      - 3.6.2.1 Quality control and standards
      - 3.6.2.2 Global economic uncertainty
  - 3.7 Growth potential analysis
  - 3.8 Porter's analysis
  - 3.9 PESTEL analysis
- #### Chapter 4 Competitive Landscape, 2024
- 4.1 Introduction
  - 4.2 Company market share analysis

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4.3 Competitive positioning matrix

4.4 Strategic outlook matrix

Chapter 5 Market Size and Forecast, By Glass Type, 2021-2034 (USD Billion) (Kilo Tons)

5.1 Key trends

5.2 E Glass

5.3 ECR Glass

5.4 H Glass

5.5 AR Glass

5.6 S Glass

5.7 Others

Chapter 6 Market Size and Forecast, By Product Type, 2021-2034 (USD Billion) (Kilo Tons)

6.1 Key trends

6.2 Glass wool

6.3 Chopped strand

6.4 Yarn

6.5 Rovings

6.6 Fabrics

6.7 Others

Chapter 7 Market Size and Forecast, By Application, 2021-2034 (USD Billion) (Kilo Tons)

7.1 Key trends

7.2 Composites

7.3 Insulation

7.4 Textiles

7.5 Electronics

7.6 Others

Chapter 8 Market Size and Forecast, By End Use Industries, 2021-2034 (USD Billion) (Kilo Tons)

8.1 Key trends

8.2 Construction

8.3 Automotive

8.4 Aerospace

8.5 Wind energy

8.6 Marine

8.7 Electrical & electronics

8.8 Industrial

8.9 Others

Chapter 9 Market Size and Forecast, By Region, 2021-2034 (USD Billion) (Kilo Tons)

9.1 Key trends

9.2 North America

9.2.1 U.S.

9.2.2 Canada

9.3 Europe

9.3.1 UK

9.3.2 Germany

9.3.3 France

9.3.4 Italy

9.3.5 Spain

9.3.6 Russia

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9.4 Asia Pacific

9.4.1 China

9.4.2 India

9.4.3 Japan

9.4.4 South Korea

9.4.5 Australia

9.5 Latin America

9.5.1 Brazil

9.5.2 Mexico

9.6 MEA

9.6.1 South Africa

9.6.2 Saudi Arabia

9.6.3 UAE

Chapter 10 Company Profiles

10.1 Advanced Fiber Products

10.2 Ashland Global Holdings

10.3 BLG Fiberglass

10.4 Johns Manville

10.5 Nihon Glass Fiber Industrial

10.6 Nippon Electric Glass (NEG)

10.7 Owens Corning

10.8 PPG Industries

10.9 Saint-Gobain Vetrotex

10.10 Seal Reinforced Fiberglass

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