

# **Fiberglass Market Forecasts to 2032 – Global Analysis By Glass Type (E-glass, S-glass, ECR-glass, C-glass, AR-glass, and Other Glass Types), Product Form, Resin Type, Application, End User, and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Fiberglass Market is accounted for \$35.08 billion in 2025 and is expected to reach \$60.91 billion by 2032 growing at a CAGR of 8.2% during the forecast period. Fine glass fibers are woven into a fabric or mat and mixed with a resin matrix to create fiberglass, a reinforced plastic material. It is robust, long-lasting, and resistant to chemicals, heat, and corrosion. Fiberglass is widely utilized in the automotive, construction, marine, and aerospace industries because it is robust and lightweight, making it perfect for protective coatings, structural elements, and insulation. Its adaptability facilitates a wide range of engineering and production applications.

According to the U.S. Geological Survey (USGS) Mineral Commodity Summaries 2024, fiberglass production is closely tied to the global supply of silica sand and glass fibers, which saw an increase in demand of approximately 4.5% year-over-year in 2023.

Market Dynamics:

Driver:

Increasing demand for insulation materials

The rising demand for insulation materials is a significant driver for the fiberglass market, propelled by the construction industry's focus on energy-efficient buildings and stringent regulations for thermal and acoustic insulation. Glass wool is widely used for

its superior insulating properties in residential, commercial, and industrial applications, helping reduce energy consumption and costs. Furthermore, the growing awareness of sustainable construction practices and the need to comply with environmental standards are accelerating the adoption of fiberglass insulation materials, thereby fueling market expansion.

#### Restraint:

##### Volatility of raw material prices

The industry relies heavily on materials such as silica sand, limestone, and glass fibers, whose prices are subject to fluctuations due to supply chain disruptions, geopolitical tensions, and natural disasters. This unpredictability not only increases production costs but also creates uncertainty for manufacturers, impacting profit margins and making it challenging to maintain stable pricing. Additionally, such volatility complicates long-term planning and procurement strategies, especially in competitive and price-sensitive markets.

#### Opportunity:

##### Growing demand for electric vehicles

The growing demand for electric vehicles (EVs) presents a promising opportunity for the fiberglass market. As EV manufacturers seek lightweight yet strong materials to enhance battery efficiency and vehicle range, fiberglass composites are increasingly favored for their excellent strength-to-weight ratio and durability. Moreover, the global shift toward green mobility and stricter emission regulations are accelerating the adoption of fiberglass in automotive components, enabling manufacturers to produce lighter, more energy-efficient vehicles, which will significantly boost fiberglass consumption in the automotive sector in the coming years.

#### Threat:

##### Environmental and health concerns

The production and disposal of fiberglass involve energy-intensive processes and the use of chemicals, contributing to greenhouse gas emissions and environmental pollution. Additionally, fiberglass waste is challenging to recycle and can persist in landfills, raising sustainability issues. Health risks associated with handling fiberglass,

such as skin and respiratory irritation, further complicate its usage. Moreover, tightening environmental regulations and the demand for eco-friendly alternatives may restrict market growth.

#### Covid-19 Impact:

The COVID-19 pandemic had a profound impact on the fiberglass market, leading to production stoppages, supply chain disruptions, and restricted availability of vehicle components. Manufacturing operations were significantly hampered due to lockdowns and labor shortages, causing delays and increased costs. However, as economies gradually reopened and industrial activities resumed, the market began to recover, supported by renewed investments in construction and automotive sectors. The pandemic also highlighted the importance of resilient supply chains and accelerated the adoption of advanced manufacturing processes to mitigate future disruptions.

The glass wool segment is expected to be the largest during the forecast period

The glass wool segment is expected to account for the largest market share during the forecast period. This dominance is attributed to its widespread use as a thermal and acoustic insulation material in the construction sector. Glass wool's ability to provide effective insulation in residential, commercial, and industrial buildings aligns with the growing emphasis on energy efficiency and sustainability. Additionally, its versatility in indoor applications, such as under pitched roofs and within walls, makes it a preferred choice for builders and contractors, further driving its market leadership.

The composites segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the composites segment is predicted to witness the highest growth rate. This segment's rapid expansion is driven by the increasing adoption of fiberglass composites in the automotive, aerospace, and wind energy industries, where their lightweightness, strength, and corrosion resistance offer significant performance advantages. Moreover, technological advancements in composite manufacturing and the push for sustainable, high-performance materials in emerging sectors like electric vehicles are accelerating demand.

#### Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market

share. The region's dominance is fueled by rapid industrialization, urbanization, and substantial infrastructure development, particularly in countries like China and India. Strong demand from the construction, automotive, and wind energy sectors, combined with government initiatives promoting sustainable building practices, further supports market growth. Additionally, Asia Pacific benefits from a large manufacturing base, favorable policies, and ongoing investments in research and development, solidifying its position as the leading regional market.

#### Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. This significant growth is due to the expanding industrial activities, a burgeoning population, and increasing investments in infrastructure and renewable energy projects. Furthermore, the region's proactive government policies, rising adoption of advanced manufacturing technologies, and the shift toward sustainable materials are driving accelerated growth.

#### Key players in the market

Some of the key players in Fiberglass Market include China Jushi Co., Ltd., Owens Corning, Saint-Gobain Vetrotex, Taishan Fiberglass Inc. (CTG Group), Chongqing Polycomp International Corp. (CPIC), Nippon Electric Glass Co., Ltd., 3B #- #The Fiberglass Company, Johns Manville, Asahi Fiber Glass Co., Ltd., Binani Industries Ltd. (Braj Binani Group), PFG Fiber Glass Corporation, Taiwan Glass Industry Corporation, Shandong Fiberglass Group Corp., LANXESS, PPG Industries, Inc., Knauf Insulation, Fibre Glast Developments Corp., and POLSER Seffaf Cat? Ortuleri San. ve Tic. A.S.

#### Key Developments:

In February 2025, China Jushi launched the construction for the second phase of its Huai'an Carbon-neutral Intelligent Manufacturing Base, featuring a 100,000-ton electronic glass fiber production line and a 500MW supporting facility for wind power generation.

In February 2025, Owens Corning a residential and commercial building products leader, and Praana Group, an India-based holding group that operates a diverse portfolio of companies primarily serving the industrial sector, announced today that they have signed a definitive agreement for the sale of Owens Corning's glass reinforcements business to Praana Group (through its subsidiaries) at an enterprise

value of \$755,000,000. This sale is a part of Owens Corning's strategic plan to reshape the company to focus on residential and commercial building products in North America and Europe.

In October 2024, PPG reached an agreement to sell its architectural coatings business in the U.S. and Canada to American Industrial Partners for \$550 million. The sale is expected to close in late 2024 or early 2025.

#### Glass Types Covered:

E-glass

S-glass

ECR-glass

C-glass

AR-glass

Other Glass Types

#### Product Forms Covered:

Glass Wool

Direct Roving

Assembled Roving

Chopped Strand

Yarn

Fabrics

Mats

Milled Fibers

Other Product Forms

Resin Types Covered:

Thermoset Resin

Thermoplastic Resin

Applications Covered:

Composites

Insulation

Filtration

Other Applications

End Users Covered:

Construction & Infrastructure

Automotive & Transportation

Wind Energy

Aerospace & Defense

Electrical & Electronics

Marine

Consumer Goods

## Other End Users

### Regions Covered:

#### North America

US

Canada

Mexico

#### Europe

Germany

UK

Italy

France

Spain

Rest of Europe

#### Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

## Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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