

Fiberglass Market By Type, Form, Manufacturing Process, Resin, Industry & Region – Global Forecast to 2027

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/EINPresswire.com/ -- The [global fiberglass market](#) size was US\$ 13,443.7 million in 2021. The global fiberglass market is expected to grow to US\$ 18,648.7 million by 2027 by registering a compound annual growth rate (CAGR) of 5.6% during the forecast period, i.e., 2022-2027.

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Fiberglass is a lightweight material, which can be transformed or molded into any shape. It enables high energy savings and is widely used as an alternative to aluminum and steel. Fiberglass finds applications in the automotive industry, majorly in the development of light vehicles.

Based on type, the global fiberglass market is analyzed across Advantex Glass Fiber, AR Glass Fiber, A- Glass Fiber, D- Glass Fiber, C- Glass Fiber, E- Glass Fiber, R- Glass Fiber, S2 Glass Fiber, ECR Glass Fiber, M- Glass Fiber, Z- Glass Fiber, M- Glass Fiber, wherein E- the glass fiber segment leads wherein E-glass fiber leads with the highest market share. E-glass fibers are considered highly compatible with organic dyes and possess high dimensional stability. However, the ECR glass fiber segment will exhibit the highest growth rate

On the basis of form, the chopped strand mat segment is expected to exhibit the highest CAGR due to its high range of end-use applications

On the basis of the manufacturing process, the global fiberglass market is bifurcated into continuous filament and staple filament, wherein the continuous filament segment leads with the largest share, and will exhibit a high CAGR due to the reasons like rising knowledge about the high thermal conductivity, low density and high strength of continuous filament.

On the basis of resin, polyester, vinyl esters, epoxy, polyurethanes, and other segments are



analyzed, wherein the polyester segment holds the lion's share due to its naturally UV-resistant properties. Additionally, polyesters are easy to use and can tolerate temperature and catalyst changes. Additionally, they are also less expensive than epoxy systems, which is shaping the overall scope of polyester resin in the market. However, the epoxy segment will register the highest growth rate during the study period.

On the basis of industry segment, the construction industry is leading with the highest market share as it is one of the major end-users of fiberglass. In construction, fiberglass is adopted as an insulator to lower the transmission of heat, cold, and sound. However, aircraft and aerospace will exhibit the highest growth rate.

On the basis of region, the Asia-Pacific fiberglass market will hold dominance due to the rapidly growing construction industry and a growing number of emission control policies introduced by the government authorities.

Market Dynamics and Trends

Drivers

The global fiberglass market will record a jump in revenue due to the growing usage of fiberglass composite in the construction and automotive industry. The growth in the usage of fiberglass is attributable to the increasing regulation for emission control. Additionally, the fact that fiberglass possesses a high strength-to-weight ratio crucial for automobile and construction applications will spark unprecedented growth in the market.

The growing use of fiberglass in the automotive sector is due to the fact that fiberglass is a strong insulating material that provides high resistance to corrosion.

Restraints

The fluctuations in the price of raw materials used in the development of fiberglass may complicate the market growth. Additionally, improper disposal techniques for recycling glass wool will pose threat to market growth. Moreover, glass wool inhibits low recycling capabilities, which generates a high amount of waste and ultimately harms the environment, thereby restricting market growth.

Regional Analysis of the Fiberglass Market

North America Fiberglass Market-

In North America, the US leads with the largest revenue share in the market due to the factors like expansive use of fiberglass in building insulation. Further, the country is witnessing constant growth in the production and sales of automobiles, which will further benefit the US market for fiberglass. Canada will exhibit the highest growth rate in the North America fiberglass market.

Europe Fiberglass Market-

Russia is expected to project the highest CAGR in the Europe fiberglass market during the forecast period, while Germany held the major share due to the presence of leading players in the marketplace.

Asia Pacific Fiberglass Market-

In Asia-Pacific, the fiberglass market of China leads with the highest market share, while India is expected to exhibit the highest CAGR. It is owing to one of the largest automotive industries in China. On the basis of industry, the construction industry leads in the Asia-Pacific fiberglass market, while the electric devices segment will exhibit the highest growth rate as fiberglass is widely being implemented on printed circuit boards as they are corrosion resistant, and possess high thermal conductivity, dimensional stability, and dielectric properties.

The Middle East & Africa Fiberglass Market-

In the Middle East & Africa Fiberglass market, Saudi Arabia leads with the highest share and will exhibit the highest CAGR. On the basis of form, the tow segment leads with the highest share in the MEA fiberglass market, while the chopped strand mat segment will exhibit the highest CAGR due to the high-end use applications of chopped strands in automotive part, ship & boats, bathroom equipment, cooling towers, etc.

South America Fiberglass Market-

Argentina will exhibit the highest growth rate in the South America fiberglass market, while Brazil leads with the highest market share. On the basis of type, A- glass fiber leads with the highest share while ECR glass fiber will exhibit the highest growth rate due to the fact that they possess excellent chemical resistance and superior mechanical properties.

Browse Detailed Summary of Research Report: <https://www.astuteanalytica.com/industry-report/fiberglass-market>

Competitive Insight

Key players analyzed in the global fiberglass market include Nippon, Jhusi, Taishan Fabric Glass, Chongqing Polycomp, Owens Corning, Other Prominent Players.

Segmental Overview of Fiberglass Market

By Type

A- Glass Fiber

C- Glass Fiber

D- Glass Fiber

E- Glass Fiber

Advantex Glass Fiber

ECR Glass Fiber

AR Glass Fiber

R- Glass Fiber

S2 Glass Fiber

M- Glass Fiber

Z- Glass Fiber

By Form

Tow

Veil mats

Woven fabrics

Chopped strand mat

Tape

Rope

Cloth

Others

By Manufacturing Process

Continuous Filament

Staple Filament

Others

By Resin

Polyester

Vinyl esters

Epoxy

Polyurethanes

Others

By Region

North America

The U.S.

Canada

Mexico

Europe

The U.K.

Germany

France

Spain

Italy

Russia

Poland

Rest of Europe

Asia Pacific

China

India

Japan

Australia & New Zealand

ASEAN
Rest of Asia Pacific

Middle East & Africa (MEA)
UAE
Saudi Arabia
South Africa
Rest of MEA

South America
Argentina
Brazil
Rest of South America

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