

# **India Fiberglass Market By Glass Type (E-Glass, ECR-Glass, H-Glass, AR-Glass, S-Glass), By Product Type (Glass Wool, Direct & Assembled Roving, Yarn, Chopped Strand), By Application (Composites, Insulation), By Region Competition Forecast and Opportunities, 2019-2029**

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## **Abstracts**

India Fiber Glass Market is anticipated to grow at a steady pace during the forecast period, 2025-2029, owing to significant expansion in the use of fiber glass in the construction, transportation, and automotive industries.

A popular type of fiber-reinforced plastic that uses glass fiber is fiber glass. The fibers can be woven into glass fabric, flattened into a sheet known as a chopped strand mat, or randomly distributed. The plastic matrix can be either a thermoplastic or a thermoset polymer matrix, which is typically based on thermosetting polymers such as epoxy, polyester resin, or vinyl ester resin.

### **Rising Number of Commercial & Residential Buildings**

India has made considerable expenditures in both residential and commercial building, including smart cities. The increasing demand for homes and businesses due to the expanding population is driving up the price of fiber glasses throughout India. Additionally, a combination of budgetary support and government policies boosting the nation's housing industry are expected to be the main drivers of the short-term expansion of India's construction activity. The country's enormous population is expected to be the main driver of long-term growth, necessitating continuing expenditures in the residential building construction industry and opening up the market

for Indian Fiber glass producers.

## Increasing Demand for Fiber Glass Panels in Automotive and Transportation Sectors to Drive Market Potential

The demand for fiberglass panels, resin, and epoxy has grown significantly in the automotive and transportation sectors. These composite materials are required since they help make automotive chassis lighter without compromising strength, a factor that is driving a demand for materials. Through 2028, it is predicted that consumption for fiberglass products would rise as a result of the rising popularity of electric vehicles and the ensuing need to make vehicles cheaper. For instance, Aptera Motors declared in February 2021 that it would introduce the first solar-powered vehicle to be produced in mass quantities. The fiberglass and extremely light composite components that make up the Aptera are used in its efficient design. In the upcoming years, it is expected that additional manufacturers would follow suit.

## Infrastructural Development

The expansion of the India Fiber Glass Market is anticipated to be primarily driven by urbanization and general infrastructural development. The wide range of infrastructure initiatives in the hotel, education, and healthcare sectors, as well as the development of reasonably priced mass housing, will guarantee the expansion of the clear glass market nationwide. In the following years, the India Clear Glass Market is anticipated to receive a significant boost from a number of recent government initiatives, including the Smart Cities Mission. In addition, India's expanding urbanization will increase the demand for clear glass throughout the nation.

## Growth in Automotive Industry

Processed transparent glass that has been heated and chemically treated is used in automobiles. The glass becomes stronger and tougher as a result of the toughening process, enabling it to endure external stress. Additionally advantageous, fiber glass offers noise reduction, protection against dangerous infrared rays, and prevention of excessive interior warmth. For the best driving comfort, all these features can be incorporated into the glass. It is employed in the automobile sector for installations on the roof, side, window panels, and other surfaces. This element will greatly boost the nation's overall demand for automotive glass and fuel the market's expansion for fiber glass. In the modern era, many automobile components, particularly those for sports cars where weight is important, are currently manufactured of fiber glass. The front and

rear bumpers, hoods, doors, and casings are the key areas where Fiber glass is used. Due to the great tensile strength of the fiber glass, this material is also utilized in timing belts and V-belts, where rubber is impregnated into glass threads to act as reinforcement. Another benefit of fiber glass is that it resists abrasion, which is why it is used to make clutches and brake pads. For the purpose of protecting the integrity of the composite material, clutch discs are strengthened with woven fiber glass.  $\text{Al}_2\text{O}_3$ ,  $\text{SiC}$ , and  $\text{SiC}_2$  are anti-abrasive materials that are extensively utilized.

## Market Segmentation

The India Fiber Glass Market is divided on the basis of glass type, product type, and Application. Based on glass type, the market is further divided into E-Glass, ECR-Glass, H-Glass, AR-Glass, S-Glass. On the basis of product type, the market is further split into glass wool, direct & assembled roving, yarn, and chopped strand. Based on application, the market is further bifurcated into composites and insulation. On the basis of region, the market is divided into West, South, North, and East.

## Market Players

Major market players in the India Fiber Glass Market are Bansal Fiber Glass, Cosmos Fibre Glass Ltd, U.P. Twiga Fiber Glass Ltd., Fibre Mould (India), Rohit Fibre Glass Industries, Srm (India) Ltd, Shree Ganesh Fiberglass Co., Nav Jeevan Fiber Glass Pvt Ltd., Jain Fibre Glass Industries, and Fiberglass World (Sunny Verma Fiberglass Works).

## Report Scope:

In this report, the India Fiber Glass Market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

### India Fiber Glass Market, By Glass Type:

E-Glass

ECR-Glass

H-Glass

AR-Glass

## S-Glass

### India Fiber Glass Market, By Product Type:

Glass Wool

Direct & Assembled Roving

Yarn

Chopped Strand

### India Fiber Glass Market, By Application:

Composites

Insulation

### India Fiber Glass Market, By Region:

West India

South India

North India

East India

## Competitive Landscape

**Company Profiles:** Detailed analysis of the major companies present in the India Fiber Glass Market.

## Available Customizations:

With the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the

*India Fiberglass Market By Glass Type (E-Glass, ECR-Glass, H-Glass, AR-Glass, S-Glass), By Product Type (Glass...*

report:

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