

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 & Opportunities, 2021-2031F

Market Report | 2025-05-30 | 83 pages | TechSci Research

AVAILABLE LICENSES:

- Single User License \$3500.00
- Multi-User License \$4500.00
- Custom Research License \$7000.00

Report description:

Market Overview

India's Fiberglass Market was valued at USD 880 million in 2025 and is projected to reach USD 1309 million by 2031, growing at a CAGR of 6.69% during the forecast period. Fiberglass, a composite material made from glass fibers embedded in a resin matrix, is gaining traction across diverse industries due to its strength, durability, corrosion resistance, and lightweight nature. These attributes make it ideal for applications in construction, automotive, energy, and insulation. In India, rapid urbanization, infrastructure development, and rising awareness of energy-efficient materials are fueling its adoption. Additionally, the growing emphasis on green construction, along with increased investments in industrial and transportation projects, supports sustained market expansion. The material's adaptability to mold into complex shapes further enhances its appeal for custom applications. However, issues such as raw material dependency and energy-intensive manufacturing processes pose cost challenges. Nonetheless, with rising demand across public infrastructure, electric vehicles, and prefabricated structures, fiberglass continues to gain momentum in India's evolving materials market.

Key Market Drivers

Growth in the Construction and Infrastructure Sector

India's booming construction and infrastructure sector is a primary driver for the fiberglass market. With urbanization accelerating, the need for durable, lightweight, and corrosion-resistant materials is rising, and fiberglass meets these demands effectively. Government-led initiatives like "Smart Cities Mission" and "Housing for All," coupled with the development of urban infrastructure such as metro rail projects and flyovers, are expanding the application of fiberglass in insulation, cladding, wall panels, and structural reinforcements. The use of fiberglass in humid or coastal areas is also increasing due to its moisture

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

resistance and longevity. Additionally, the focus on green building practices is boosting demand for fiberglass insulation that enhances energy efficiency. The private sector's investment in commercial and industrial real estate, along with the rising adoption of prefabricated structures using fiberglass panels, is further propelling market growth. As regulatory standards evolve and sustainability becomes central to infrastructure development, the role of fiberglass is expected to grow steadily in India's construction landscape.

Key Market Challenges

High Production Costs and Raw Material Dependency

The Indian fiberglass industry faces a notable challenge in the form of high production costs, primarily due to energy-intensive manufacturing and reliance on imported raw materials. The process of producing fiberglass involves melting silica and other minerals at high temperatures, consuming significant energy—an issue compounded by fluctuating energy prices in India. Moreover, the country depends on imports for advanced resin systems and additives, making it vulnerable to international price volatility and currency fluctuations. These factors drive up manufacturing costs, affecting the price competitiveness of domestic producers. Limited domestic scale and the high capital investment needed for technological upgrades further restrict cost optimization. Environmental regulations also increase operational expenses, as compliance with emission control and waste management standards is costly. Smaller enterprises in particular struggle to balance these requirements, impeding industry-wide scalability. Together, these issues limit the affordability and broader adoption of fiberglass in India's price-sensitive market.

Key Market Trends

Growing Adoption of Fiberglass Composites in Electric Vehicles (EVs)

A significant trend influencing India's fiberglass market is the increasing integration of fiberglass composites in electric vehicles. The government's push for clean mobility through initiatives like FAME II and the PLI scheme has led automotive manufacturers to prioritize lightweight materials that enhance vehicle efficiency. Fiberglass, with its excellent strength-to-weight ratio and electrical insulation properties, is being used in battery enclosures, body panels, and insulation components in EVs. These materials reduce vehicle weight, improving range and performance. Their moldability allows for complex and customized designs, beneficial for low- to mid-volume EV production. Moreover, the non-conductive nature of fiberglass adds a safety advantage in high-voltage systems. As local auto parts suppliers expand their composite manufacturing capabilities, fiberglass is becoming a preferred alternative to more expensive materials like carbon fiber. The steady expansion of India's EV market across two-wheelers, passenger vehicles, and buses is expected to drive continued demand for fiberglass solutions.

Key Market Players

- Owens Corning India Pvt. Ltd.
- Jushi Group Co., Ltd.
- Nippon Electric Glass Co., Ltd.
- Saint-Gobain Vetrotex India Pvt. Ltd.
- Garware Technical Fibres Ltd.
- Owens Corning Global Services Pvt. Ltd.
- Fiber Glass Industries Pvt. Ltd.
- Jindal Fiberglass Pvt. Ltd.

Report Scope:

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

- India Fiberglass Market, By Glass Type:

- o E-Glass
- o ECR-Glass
- o H-Glass
- o AR-Glass
- o S-Glass

- India Fiberglass Market, By Product Type:

- o Glass Wool

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- o Direct & Assembled Roving
- o Yarn
- o Chopped Strand
- India Fiberglass Market, By Application:
 - o Composites
 - o Insulation
- India Fiberglass Market, By Region:
 - o South India
 - o North India
 - o West India
 - o East India

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the India Fiberglass Market.

Available Customizations:

India Fiberglass Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

Table of Contents:

1. Product Overview
 - 1.1. Market Definition
 - 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.3. Key Market Segmentations
2. Research Methodology
 - 2.1. Objective of the Study
 - 2.2. Baseline Methodology
 - 2.3. Formulation of the Scope
 - 2.4. Assumptions and Limitations
 - 2.5. Sources of Research
 - 2.5.1. Secondary Research
 - 2.5.2. Primary Research
 - 2.6. Approach for the Market Study
 - 2.6.1. The Bottom-Up Approach
 - 2.6.2. The Top-Down Approach
 - 2.7. Methodology Followed for Calculation of Market Size & Market Shares
 - 2.8. Forecasting Methodology
 - 2.8.1. Data Triangulation & Validation
3. Executive Summary
 - 3.1. Overview of the Market
 - 3.2. Overview of Key Market Segmentations
 - 3.3. Overview of Key Market Players
 - 3.4. Overview of Key Regions/Countries
 - 3.5. Overview of Market Drivers, Challenges, and Trends

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

4. Voice of Customer
5. India Fiberglass Market Outlook
 - 5.1. Market Size & Forecast
 - 5.1.1. By Value
 - 5.2. Market Share & Forecast
 - 5.2.1. By Glass Type (E-Glass, ECR-Glass, H-Glass, AR-Glass, S-Glass)
 - 5.2.2. By Product Type (Glass Wool, Direct & Assembled Roving, Yarn, Chopped Strand)
 - 5.2.3. By Application (Composites, Insulation)
 - 5.2.4. By Region (South India, North India, West India, East India)
 - 5.2.5. By Company (2025)
 - 5.3. Market Map
6. South India Fiberglass Market Outlook
 - 6.1. Market Size & Forecast
 - 6.1.1. By Value
 - 6.2. Market Share & Forecast
 - 6.2.1. By Glass Type
 - 6.2.2. By Product Type
 - 6.2.3. By Application
7. North India Fiberglass Market Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value
 - 7.2. Market Share & Forecast
 - 7.2.1. By Glass Type
 - 7.2.2. By Product Type
 - 7.2.3. By Application
8. West India Fiberglass Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value
 - 8.2. Market Share & Forecast
 - 8.2.1. By Glass Type
 - 8.2.2. By Product Type
 - 8.2.3. By Application
9. East India Fiberglass Market Outlook
 - 9.1. Market Size & Forecast
 - 9.1.1. By Value
 - 9.2. Market Share & Forecast
 - 9.2.1. By Glass Type
 - 9.2.2. By Product Type
 - 9.2.3. By Application
10. Market Dynamics
 - 10.1. Drivers
 - 10.2. Challenges
11. Market Trends & Developments
 - 11.1. Merger & Acquisition (If Any)
 - 11.2. Product Launches (If Any)
 - 11.3. Recent Developments
12. Policy and Regulatory Landscape

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

13. India Economic Profile
14. Company Profiles
 - 14.1. Owens Corning India Pvt. Ltd.
 - 14.1.1. Business Overview
 - 14.1.2. Key Revenue and Financials
 - 14.1.3. Recent Developments
 - 14.1.4. Key Personnel/Key Contact Person
 - 14.1.5. Key Product/Services Offered
 - 14.2. Jushi Group Co., Ltd.
 - 14.3. Nippon Electric Glass Co., Ltd.
 - 14.4. Saint-Gobain Vetrotex India Pvt. Ltd.
 - 14.5. Garware Technical Fibres Ltd.
 - 14.6. Owens Corning Global Services Pvt. Ltd.
 - 14.7. Fiber Glass Industries Pvt. Ltd.
 - 14.8. Jindal Fiberglass Pvt. Ltd.
15. Strategic Recommendations
16. About Us & Disclaimer

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

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 & Opportunities, 2021-2031F

Market Report | 2025-05-30 | 83 pages | TechSci Research

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 License	\$3500.00
	Multi-User License	\$4500.00
	Custom Research License	\$7000.00
		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"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Date

2026-03-06

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com