

GF and GFRP Composites Market Report by Type (General-purpose Glass Fibers, Special-Purpose Glass Fibers), Application (Building and Construction, Electronics, Transportation, and Others), and Region 2023-2028

<https://marketpublishers.com/r/G2E48065EE26EN.html>

Date: September 2023

Pages: 141

Price: US\$ 2,499.00 (Single User License)

ID: G2E48065EE26EN

Abstracts

Market Overview:

The global GF and GFRP composites market size reached US\$ 37.14 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 46.68 Billion by 2028, exhibiting a growth rate (CAGR) of 3.80% during 2023-2028. The widespread product adoption in the automotive industry, rapid product innovations, significant growth in the construction sector, and the implementation of extensive research and development (R&D) activities are some of the key factors driving the market.

Glass fiber (GF) and glass fiber reinforced polymer (GFRP) composites refer to materials made up of glass fibers and a polymer matrix, typically epoxy or polyester. GF composites are made from silica-based materials, such as fiberglass or E-glass. They are strong, lightweight, and have excellent resistance to heat, chemicals, and electrical conductivity. Consequently, they are widely used to manufacture components that require high strength-to-weight ratios, corrosion resistance, electrical insulation, and dimensional stability. On the other hand, GFRP composites emphasize the use of glass fibers as the primary reinforcement within the polymer matrix. They are utilized in the production of structural components like beams, columns, rebars, panels, and pipes. As a result, GF and GFRP find extensive applications across the automotive, aerospace, construction, marine, electrical, and consumer goods industries.

GF and GFRP Composites Market Trends:

The widespread product adoption in the automotive industry across the globe is one of the primary factors propelling the market growth. GF and GFRP composites are widely used in components like body panels, hoods, doors, bumpers, and interior parts to reduce the weight of vehicles while maintaining structural integrity. In line with this, the increasing product demand, owing to its design flexibility as it can be molded into complex shapes, that offers designers and engineers greater flexibility in creating innovative and customized products, which in turn is favoring the market growth. Apart from this, the growing inclination to use bio-based resins and fibers in GF and GFRP composites as a more sustainable alternative to traditional petroleum-based materials owing to rising environmental consciousness is providing an impetus to the market growth. Additionally, the widespread product utilization in the construction industry for the manufacturing of architectural elements, bridges, facades, and lightweight structures is contributing to the market growth. Other factors, including the increasing demand for GF and GFRP composites in electrical and electronic applications, enhanced focus on research and development (R&D) activities, significant growth in the aerospace industry, and rapid innovation to improve the performance, sustainability, and versatility of GF and GFRP composites, are presenting remunerative growth opportunities for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global GF and GFRP composites market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on type and application.

Type Insights:

General-purpose Glass Fibers

Special-Purpose Glass Fibers

The report has provided a detailed breakup and analysis of the GF and GFRP composites market based on the type. This includes general-purpose and special-purpose glass fibers. According to the report, general-purpose glass fibers represented the largest segment.

Application Insights:

Building and Construction

Electronics

Transportation
Others

The report has provided a detailed breakup and analysis of the GF and GFRP composites market based on the application. This includes building and construction, electronics, transportation, and others.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global GF and GFRP composites market. Detailed profiles of all major companies have been provided. Some of the companies covered include 3B - The Fibreglass Company, China Beihai Fiberglass Co. Ltd., China Jushi Co. Ltd, Compagnie de Saint-Gobain S.A, Johns Manville Corporation (Berkshire Hathaway Inc.), Nippon Electric Glass Co. Ltd., Nitto Boseki Co. Ltd., Owens Corning, Taishan Fiberglass Inc (CTG) (Sinoma Science & Technology Co. Ltd.), etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global GF and GFRP composites market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global GF and GFRP composites market?

What is the impact of each driver, restraint, and opportunity on the global GF and GFRP composites market?

What are the key regional markets?

Which countries represent the most attractive GF and GFRP composites market?

What is the breakup of the market based on the type?

Which is the most attractive type in the GF and GFRP composites market?

What is the breakup of the market based on the application?

Which is the most attractive application in the GF and GFRP composites market?

What is the competitive structure of the global GF and GFRP composites market?

Who are the key players/companies in the global GF and GFRP composites market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview

4.2 Key Industry Trends

5 GLOBAL GF AND GFRP COMPOSITES MARKET

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

6.1 General-purpose Glass Fibers

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Special-Purpose Glass Fibers

6.2.1 Market Trends

6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

7.1 Building and Construction

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Electronics

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Transportation

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Others

7.4.1 Market Trends

7.4.2 Market Forecast

8 MARKET BREAKUP BY REGION

8.1 North America

8.1.1 United States

8.1.1.1 Market Trends

8.1.1.2 Market Forecast

8.1.2 Canada

8.1.2.1 Market Trends

8.1.2.2 Market Forecast

8.2 Asia-Pacific

8.2.1 China

8.2.1.1 Market Trends

8.2.1.2 Market Forecast

8.2.2 Japan

8.2.2.1 Market Trends

8.2.2.2 Market Forecast

8.2.3 India

8.2.3.1 Market Trends

8.2.3.2 Market Forecast

8.2.4 South Korea

8.2.4.1 Market Trends

8.2.4.2 Market Forecast

8.2.5 Australia

8.2.5.1 Market Trends

- 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

9.1 Overview

9.2 Drivers

9.3 Restraints

9.4 Opportunities

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.13B - The Fibreglass Company

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.2 China Beihai Fiberglass Co. Ltd.

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.3 China Jushi Co. Ltd.

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

- 13.3.3.3 Financials
- 13.3.4 Compagnie de Saint-Gobain S.A.
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.4.4 SWOT Analysis
- 13.3.5 Johns Manville Corporation (Berkshire Hathaway Inc.)
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
- 13.3.6 Nippon Electric Glass Co. Ltd.
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
- 13.3.7 Nitto Boseki Co. Ltd.
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
 - 13.3.7.3 Financials
- 13.3.8 Owens Corning
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 Financials
 - 13.3.8.4 SWOT Analysis
- 13.3.9 Taishan Fiberglass Inc (CTG) (Sinoma Science & Technology Co. Ltd.)
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: GF and GFRP Composites Market: Key Industry Highlights, 2022 & 2028

Table 2: Global: GF and GFRP Composites Market Forecast: Breakup by Type (in Million US\$), 2023-2028

Table 3: Global: GF and GFRP Composites Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: GF and GFRP Composites Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: GF and GFRP Composites Market: Competitive Structure

Table 6: Global: GF and GFRP Composites Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: GF and GFRP Composites Market: Major Drivers and Challenges

Figure 2: Global: GF and GFRP Composites Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: GF and GFRP Composites Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: GF and GFRP Composites Market: Breakup by Type (in %), 2022

Figure 5: Global: GF and GFRP Composites Market: Breakup by Application (in %), 2022

Figure 6: Global: GF and GFRP Composites Market: Breakup by Region (in %), 2022

Figure 7: Global: GF and GFRP Composites (General-purpose Glass Fibers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: GF and GFRP Composites (General-purpose Glass Fibers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: GF and GFRP Composites (Special-Purpose Glass Fibers) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: GF and GFRP Composites (Special-Purpose Glass Fibers) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: GF and GFRP Composites (Building and Construction) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: GF and GFRP Composites (Building and Construction) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: GF and GFRP Composites (Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: GF and GFRP Composites (Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: GF and GFRP Composites (Transportation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: GF and GFRP Composites (Transportation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: GF and GFRP Composites (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: GF and GFRP Composites (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: North America: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: North America: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 21: United States: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: United States: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: Canada: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: Canada: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Asia-Pacific: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Asia-Pacific: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: China: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: China: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Japan: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Japan: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: India: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: India: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: South Korea: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: South Korea: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Australia: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Australia: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Indonesia: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Indonesia: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Others: GF and GFRP Composites Market: Sales Value (in Million US\$),

2017 & 2022

Figure 40: Others: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Europe: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Europe: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Germany: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Germany: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: France: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: France: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: United Kingdom: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: United Kingdom: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: Italy: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: Italy: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Spain: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Spain: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Russia: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Russia: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Others: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Others: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Latin America: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Latin America: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Brazil: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 60: Brazil: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Mexico: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Mexico: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Others: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Others: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Middle East and Africa: GF and GFRP Composites Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Middle East and Africa: GF and GFRP Composites Market: Breakup by Country (in %), 2022

Figure 67: Middle East and Africa: GF and GFRP Composites Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Global: GF and GFRP Composites Industry: Drivers, Restraints, and Opportunities

Figure 69: Global: GF and GFRP Composites Industry: Value Chain Analysis

Figure 70: Global: GF and GFRP Composites Industry: Porter's Five Forces Analysis

I would like to order

Product name: GF and GFRP Composites Market Report by Type (General-purpose Glass Fibers, Special-Purpose Glass Fibers), Application (Building and Construction, Electronics, Transportation, and Others), and Region 2023-2028

Product link: <https://marketpublishers.com/r/G2E48065EE26EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G2E48065EE26EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970