

Carbon Fiber Market - A Global and Regional Analysis: Focus on Product, Application, and Country Analysis - Analysis and Forecast, 2025-2034

<https://marketpublishers.com/r/C0FAF2B98DD3EN.html>

Date: June 2025

Pages: 0

Price: US\$ 4,900.00 (Single User License)

ID: C0FAF2B98DD3EN

Abstracts

Hard copy option is available on any of the options above at an additional charge of \$500. Please email us at order@marketpublishers.com with your request.

This report will be delivered in 7-10 working days. Global Carbon Fiber Market: Industry Overview

The carbon fiber market is driven by the increasing demand for lightweight, high-strength materials across various industries, including automotive, aerospace, wind energy, and sporting goods. Carbon fiber, known for its superior strength-to-weight ratio and resistance to high temperatures, is essential in applications requiring durability and efficiency. In the automotive industry, carbon fiber is used in electric vehicles (EVs) to reduce weight, enhancing battery performance and energy efficiency. The aerospace sector benefits from its use in aircraft structures, leading to reduced fuel consumption and lower emissions. Additionally, the wind energy industry uses carbon fiber in turbine blades to improve efficiency and performance. Technologically, advancements in manufacturing processes, such as improved precursor materials and resin systems, are helping reduce production costs, making carbon fiber more accessible. With the growing emphasis on sustainability, carbon fiber's role in creating lightweight, durable, and energy-efficient solutions continues to expand, driving significant market growth.

Carbon Fiber Market: Lifecycle Stage

The carbon fiber market is in the growth stage of its lifecycle. As industries increasingly focus on sustainability and performance, the demand for lightweight, high-strength materials has risen significantly. The automotive, aerospace, and renewable energy

sectors are major drivers of this growth, with carbon fiber playing a crucial role in electric vehicles, aircraft, and wind turbines. Technological advancements in production processes are helping reduce costs, making carbon fiber more accessible to a broader range of applications. As adoption continues to expand, competition will intensify, and further innovations are expected to increase the market's maturity, ensuring its long-term growth.

Carbon Fiber Market Segmentation:

Segmentation 1: by Application

Composites

Non-Composites

The Composites is one of the prominent application segments in the global Carbon Fiber market.

Segmentation 2: by End-use Industry

Aerospace & Defense

Automotive

Wind Energy

Pipe

Pressure Vessels

Sporting Goods

Construction & Infrastructure

Medical & Healthcare

Marine

The Automotive is one of the prominent end-use industry segments in the global Carbon Fiber market.

Segmentation 3: by Raw Material Type

Pan

Pitch

The Pan is one of the prominent raw material segments in the global Carbon Fiber market.

Segmentation 4: by Fiber Type

Virgin

Recycled

The Virgin is one of the prominent fiber type segments in the global Carbon Fiber market.

Segmentation 5: by Modulus

Standard

Intermediate

High

The Standard is one of the prominent Modulus segments in the global Carbon Fiber market.

Segmentation 6: by Product Type

Continuous

Long

Short

The global Carbon Fiber market is estimated to be led by the continuous segment in terms of product type.

Segmentation 7: by Region

North America - U.S., Canada, and Mexico

Europe - Germany, France, Italy, Spain, U.K., and Rest-of-Europe

Asia-Pacific - China, Japan, South Korea, India, and Rest-of-Asia-Pacific

Rest-of-the-World - South America and Middle East and Africa

In the Carbon Fiber market, Asia-Pacific is anticipated to gain traction in terms of Carbon Fiber production, owing to the continuous growth in the adoption of electric vehicles and the presence of key manufacturers in the regions.

Carbon Fiber Market: Demand – Drivers and Limitations

The following are the demand drivers for the global Carbon Fiber market:

Rising Demand for Lightweight Materials

Government Regulations and Sustainability Goals

The global Carbon Fiber market is expected to face some limitations as well due to the following challenges:

High Production Costs

Limited Recycling Infrastructure

Key Market Players and Competition Synopsis

The companies that are profiled have been selected based on thorough secondary research, which includes analyzing company coverage, product portfolio, market penetration, and insights gathered from primary experts.

Some of the prominent established names in this market are:

Toray Industries, Inc.

Dowaksa

Mitsubishi Chemical Group Corporation

Syensqo

Teijin Limited

SGL Carbon

Hexcel Corporation

HS Hyosung Advanced Materials

Zhongfu Shenying Carbon Fiber Co., Ltd.

Kureha Corporation

Osaka Gas Chemicals Co., Ltd.

Umatex

Jilin Chemical Fiber Group Co., Ltd.

Jiangsu Hengshen Co., Ltd.

China National Bluestar (Group) Co., Ltd.

Companies that are not a part of the previously mentioned pool have been well represented across different sections of the report (wherever applicable).

Contents

Executive Summary
Scope and Definition
Market/Product Definition
Key Questions Answered
Analysis and Forecast Note

1. MARKETS: INDUSTRY OUTLOOK

1.1 Trends: Current and Future Impact Assessment
1.2 Stakeholder Analysis
 1.2.1 Use Case
 1.2.2 End User and Buying Criteria
1.3 Market Dynamics Overview
 1.3.1 Market Drivers
 1.3.2 Market Restraints
 1.3.3 Market Opportunities
1.4 Regulatory & Policy Impact Analysis
1.5 Patent Analysis
1.6 Start-Up Landscape
1.7 Investment Landscape and R&D Trends
1.8 Future Outlook and Market Roadmap
1.9 Supply Chain Analysis
1.10 Value Chain Analysis
1.11 Global Pricing Analysis
1.12 Industry Attractiveness

2. CARBON FIBER MARKET (BY APPLICATION)

2.1 Application Segmentation
2.2 Application Summary
2.3 Carbon Fiber Market (by Application)
 2.3.1 Composites
 2.3.2 Non-Composites
2.4 Carbon Fiber Market (by End-use Industry)
 2.4.1 Aerospace & Defense
 2.4.2 Automotive
 2.4.3 Wind Energy

- 2.4.4 Pipe
- 2.4.5 Pressure Vessels
- 2.4.6 Sporting Goods
- 2.4.7 Construction & Infrastructure
- 2.4.8 Medical & Healthcare
- 2.4.9 Marine

3. CARBON FIBER MARKET (BY PRODUCT)

- 3.1 Product Segmentation
- 3.2 Product Summary
- 3.3 Carbon Fiber Market (by Raw Material Type)
 - 3.3.1 Pan
 - 3.3.2 Pitch
- 3.4 Carbon Fiber Market (by Fiber Type)
 - 3.4.1 Virgin
 - 3.4.2 Recycled
- 3.5 Carbon Fiber Market (by Modulus)
 - 3.5.1 Standard
 - 3.5.2 Intermediate
 - 3.5.3 High
- 3.6 Carbon Fiber Market (by Product Type)
 - 3.6.1 Continuous
 - 3.6.2 Long
 - 3.6.3 Short

4. CARBON FIBER MARKET (BY REGION)

- 4.1 Carbon Fiber Market (by Region)
- 4.2 North America
 - 4.2.1 Regional Overview
 - 4.2.2 Driving Factors for Market Growth
 - 4.2.3 Factors Challenging the Market
 - 4.2.4 Key Companies
 - 4.2.5 Application
 - 4.2.6 Product
 - 4.2.7 North America (by Country)
 - 4.2.7.1 U.S.
 - 4.2.7.1.1 Market by Application

4.2.7.1.2 Market by Product

4.2.7.2 Canada

4.2.7.2.1 Market by Application

4.2.7.2.2 Market by Product

4.2.7.3 Mexico

4.2.7.3.1 Market by Application

4.2.7.3.2 Market by Product

4.3 Europe

4.3.1 Regional Overview

4.3.2 Driving Factors for Market Growth

4.3.3 Factors Challenging the Market

4.3.4 Key Companies

4.3.5 Application

4.3.6 Product

4.3.7 Europe (by Country)

4.3.7.1 Germany

4.3.7.1.1 Market by Application

4.3.7.1.2 Market by Product

4.3.7.2 France

4.3.7.2.1 Market by Application

4.3.7.2.2 Market by Product

4.3.7.3 Italy

4.3.7.3.1 Market by Application

4.3.7.3.2 Market by Product

4.3.7.4 Spain

4.3.7.4.1 Market by Application

4.3.7.4.2 Market by Product

4.3.7.5 U.K.

4.3.7.5.1 Market by Application

4.3.7.5.2 Market by Product

4.3.7.6 Rest-of-Europe

4.3.7.6.1 Market by Application

4.3.7.6.2 Market by Product

4.4 Asia-Pacific

4.4.1 Regional Overview

4.4.2 Driving Factors for Market Growth

4.4.3 Factors Challenging the Market

4.4.4 Key Companies

4.4.5 Application

4.4.6 Product

4.4.7 Asia-Pacific (by Country)

4.4.7.1 China

4.4.7.1.1 Market by Application

4.4.7.1.2 Market by Product

4.4.7.2 Japan

4.4.7.2.1 Market by Application

4.4.7.2.2 Market by Product

4.4.7.3 India

4.4.7.3.1 Market by Application

4.4.7.3.2 Market by Product

4.4.7.4 South Korea

4.4.7.4.1 Market by Application

4.4.7.4.2 Market by Product

4.4.7.5 Rest-of-Asia-Pacific

4.4.7.5.1 Market by Application

4.4.7.5.2 Market by Product

4.5 Rest-of-the-World

4.5.1 Regional Overview

4.5.2 Driving Factors for Market Growth

4.5.3 Factors Challenging the Market

4.5.4 Key Companies

4.5.5 Application

4.5.6 Product

4.5.7 Rest-of-the-World (by Region)

4.5.7.1 South America

4.5.7.1.1 Market by Application

4.5.7.1.2 Market by Product

4.5.7.2 Middle East and Africa

4.5.7.2.1 Market by Application

4.5.7.2.2 Market by Product

5. MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

5.1 Next Frontiers

5.2 Geographic Assessment

5.3 Company Profiles

5.3.1 Toray Industries, Inc.

5.3.1.1 Overview

- 5.3.1.2 Top Products/Product Portfolio
- 5.3.1.3 Top Competitors
- 5.3.1.4 Target Customers
- 5.3.1.5 Key Personnel
- 5.3.1.6 Analyst View
- 5.3.1.7 Market Share
- 5.3.2 Dowaksa
 - 5.3.2.1 Overview
 - 5.3.2.2 Top Products/Product Portfolio
 - 5.3.2.3 Top Competitors
 - 5.3.2.4 Target Customers
 - 5.3.2.5 Key Personnel
 - 5.3.2.6 Analyst View
 - 5.3.2.7 Market Share
- 5.3.3 Mitsubishi Chemical Group Corporation
 - 5.3.3.1 Overview
 - 5.3.3.2 Top Products/Product Portfolio
 - 5.3.3.3 Top Competitors
 - 5.3.3.4 Target Customers
 - 5.3.3.5 Key Personnel
 - 5.3.3.6 Analyst View
 - 5.3.3.7 Market Share
- 5.3.4 Syensqo
 - 5.3.4.1 Overview
 - 5.3.4.2 Top Products/Product Portfolio
 - 5.3.4.3 Top Competitors
 - 5.3.4.4 Target Customers
 - 5.3.4.5 Key Personnel
 - 5.3.4.6 Analyst View
 - 5.3.4.7 Market Share
- 5.3.5 Teijin Limited
 - 5.3.5.1 Overview
 - 5.3.5.2 Top Products/Product Portfolio
 - 5.3.5.3 Top Competitors
 - 5.3.5.4 Target Customers
 - 5.3.5.5 Key Personnel
 - 5.3.5.6 Analyst View
 - 5.3.5.7 Market Share
- 5.3.6 SGL Carbon

- 5.3.6.1 Overview
- 5.3.6.2 Top Products/Product Portfolio
- 5.3.6.3 Top Competitors
- 5.3.6.4 Target Customers
- 5.3.6.5 Key Personnel
- 5.3.6.6 Analyst View
- 5.3.6.7 Market Share
- 5.3.7 Hexcel Corporation
 - 5.3.7.1 Overview
 - 5.3.7.2 Top Products/Product Portfolio
 - 5.3.7.3 Top Competitors
 - 5.3.7.4 Target Customers
 - 5.3.7.5 Key Personnel
 - 5.3.7.6 Analyst View
 - 5.3.7.7 Market Share
- 5.3.8 HS Hyosung Advanced Materials
 - 5.3.8.1 Overview
 - 5.3.8.2 Top Products/Product Portfolio
 - 5.3.8.3 Top Competitors
 - 5.3.8.4 Target Customers
 - 5.3.8.5 Key Personnel
 - 5.3.8.6 Analyst View
 - 5.3.8.7 Market Share
- 5.3.9 Zhongfu Shenying Carbon Fiber Co., Ltd.
 - 5.3.9.1 Overview
 - 5.3.9.2 Top Products/Product Portfolio
 - 5.3.9.3 Top Competitors
 - 5.3.9.4 Target Customers
 - 5.3.9.5 Key Personnel
 - 5.3.9.6 Analyst View
 - 5.3.9.7 Market Share
- 5.3.10 Kureha Corporation
 - 5.3.10.1 Overview
 - 5.3.10.2 Top Products/Product Portfolio
 - 5.3.10.3 Top Competitors
 - 5.3.10.4 Target Customers
 - 5.3.10.5 Key Personnel
 - 5.3.10.6 Analyst View
 - 5.3.10.7 Market Share

5.3.11 Osaka Gas Chemicals Co., Ltd.

- 5.3.11.1 Overview
- 5.3.11.2 Top Products/Product Portfolio
- 5.3.11.3 Top Competitors
- 5.3.11.4 Target Customers
- 5.3.11.5 Key Personnel
- 5.3.11.6 Analyst View
- 5.3.11.7 Market Share

5.3.12 Umatex

- 5.3.12.1 Overview
- 5.3.12.2 Top Products/Product Portfolio
- 5.3.12.3 Top Competitors
- 5.3.12.4 Target Customers
- 5.3.12.5 Key Personnel
- 5.3.12.6 Analyst View
- 5.3.12.7 Market Share

5.3.13 Jilin Chemical Fiber Group Co., Ltd.

- 5.3.13.1 Overview
- 5.3.13.2 Top Products/Product Portfolio
- 5.3.13.3 Top Competitors
- 5.3.13.4 Target Customers
- 5.3.13.5 Key Personnel
- 5.3.13.6 Analyst View
- 5.3.13.7 Market Share

5.3.14 Jiangsu Hengshen Co., Ltd.

- 5.3.14.1 Overview
- 5.3.14.2 Top Products/Product Portfolio
- 5.3.14.3 Top Competitors
- 5.3.14.4 Target Customers
- 5.3.14.5 Key Personnel
- 5.3.14.6 Analyst View
- 5.3.14.7 Market Share

5.3.15 China National Bluestar (Group) Co., Ltd.

- 5.3.15.1 Overview
- 5.3.15.2 Top Products/Product Portfolio
- 5.3.15.3 Top Competitors
- 5.3.15.4 Target Customers
- 5.3.15.5 Key Personnel
- 5.3.15.6 Analyst View

5.3.15.7 Market Share

5.4 Other Key Companies

5.4.1 China Weihai Guangwei Composites Co., Ltd.

5.4.2 Changsheng (Langfang) Technology Co., Ltd.

5.4.3 Jilin Jiyan High-Tech Fiber Co., Ltd.

5.4.4 Jilin Shenzhou Carbon Fiber Co., Ltd.

5.4.5 Alfa Chemistry

5.4.6 BCircular

5.4.7 Vartega Inc.

5.4.8 Flink International Co., Ltd.

5.4.9 China Composites Group Corporation Ltd.

5.4.10 Formosa Plastics Corporation

5.4.11 Nippon Graphite Fiber Co., Ltd.

5.4.12 Newtech Group Co., Ltd.

5.4.13 Ace C&Tech Co., Ltd.

5.4.14 Procotex

5.4.15 Carbon Conversions

5.4.16 Others

6. RESEARCH METHODOLOGY

List Of Figures

LIST OF FIGURES

- Figure 1: Carbon Fiber Market (by Scenario), \$Million, 2025, 2028, and 2034
- Figure 2: Carbon Fiber Market (by Region), \$Million, 2024, 2027, and 2034
- Figure 3: Carbon Fiber Market (by Application), \$Million, 2024, 2027, and 2034
- Figure 4: Carbon Fiber Market (by Product), \$Million, 2024, 2027, and 2034
- Figure 5: Competitive Landscape Snapshot
- Figure 6: Supply Chain Analysis
- Figure 7: Value Chain Analysis
- Figure 8: Patent Analysis (by Country), January 2021-April 2025
- Figure 9: Patent Analysis (by Company), January 2021-April 2025
- Figure 10: Impact Analysis of Market Navigating Factors, 2024-2034
- Figure 11: U.S. Carbon Fiber Market, \$Million, 2024-2034
- Figure 12: Canada Carbon Fiber Market, \$Million, 2024-2034
- Figure 13: Mexico Carbon Fiber Market, \$Million, 2024-2034
- Figure 14: Germany Carbon Fiber Market, \$Million, 2024-2034
- Figure 15: France Carbon Fiber Market, \$Million, 2024-2034
- Figure 16: Italy Carbon Fiber Market, \$Million, 2024-2034
- Figure 17: Spain Carbon Fiber Market, \$Million, 2024-2034
- Figure 18: U.K. Carbon Fiber Market, \$Million, 2024-2034
- Figure 19: Rest-of-Europe Carbon Fiber Market, \$Million, 2024-2034
- Figure 20: China Carbon Fiber Market, \$Million, 2024-2034
- Figure 21: Japan Carbon Fiber Market, \$Million, 2024-2034
- Figure 22: India Carbon Fiber Market, \$Million, 2024-2034
- Figure 23: South Korea Carbon Fiber Market, \$Million, 2024-2034
- Figure 24: Rest-of-Asia-Pacific Carbon Fiber Market, \$Million, 2024-2034
- Figure 25: South America Carbon Fiber Market, \$Million, 2024-2034
- Figure 26: Middle East and Africa Carbon Fiber Market, \$Million, 2024-2034
- Figure 27: Strategic Initiatives (by Company), 2021-2025
- Figure 28: Share of Strategic Initiatives, 2021-2025
- Figure 29: Data Triangulation
- Figure 30: Top-Down and Bottom-Up Approach
- Figure 31: Assumptions and Limitations

List Of Tables

LIST OF TABLES

Table 1: Market Snapshot
Table 2: Opportunities across Region
Table 3: Trends Overview
Table 4: Carbon Fiber Market Pricing Forecast, 2024-2034
Table 5: Application Summary (by Application)
Table 6: Product Summary (by Product)
Table 7: Carbon Fiber Market (by Region), \$Million, 2024-2034
Table 8: North America Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 9: North America Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 10: U.S. Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 11: U.S. Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 12: Canada Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 13: Canada Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 14: Mexico Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 15: Mexico Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 16: Europe Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 17: Europe Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 18: Germany Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 19: Germany Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 20: France Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 21: France Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 22: Italy Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 23: Italy Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 24: Spain Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 25: Spain Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 26: U.K. Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 27: U.K. Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 28: Rest-of-Europe Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 29: Rest-of-Europe Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 30: Asia-Pacific Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 31: Asia-Pacific Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 32: China Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 33: China Carbon Fiber Market (by Product), \$Million, 2024-2034
Table 34: Japan Carbon Fiber Market (by Application), \$Million, 2024-2034
Table 35: Japan Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 36: India Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 37: India Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 38: South Korea Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 39: South Korea Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 40: Rest-of-Asia-Pacific Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 41: Rest-of-Asia-Pacific Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 42: Rest-of-the-World Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 43: Rest-of-the-World Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 44: South America Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 45: South America Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 46: Middle East and Africa Carbon Fiber Market (by Application), \$Million, 2024-2034

Table 47: Middle East and Africa Carbon Fiber Market (by Product), \$Million, 2024-2034

Table 48: Market Share

I would like to order

Product name: Carbon Fiber Market - A Global and Regional Analysis: Focus on Product, Application, and Country Analysis - Analysis and Forecast, 2025-2034

Product link: <https://marketpublishers.com/r/C0FAF2B98DD3EN.html>

Price: US\$ 4,900.00 (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/C0FAF2B98DD3EN.html>