

Carbon Fiber Industry Research Report 2024

<https://marketpublishers.com/r/C0497D4A7B1DEN.html>

Date: April 2024

Pages: 133

Price: US\$ 2,950.00 (Single User License)

ID: C0497D4A7B1DEN

Abstracts

Carbon fiber is a long, thin strand of material about 0.0002-0.0004 in (0.005-0.010 mm) in diameter and composed mostly of carbon atoms. The carbon atoms are bonded together in microscopic crystals that are more or less aligned parallel to the long axis of the fiber. The crystal alignment makes the fiber incredibly strong for its size. Several thousand carbon fibers are twisted together to form a yarn, which may be used by itself or woven into a fabric. The yarn or fabric is combined with epoxy and wound or molded into shape to form various composite materials. Carbon fiber-reinforced composite materials are used to make aircraft carbon fiber compared to human hair and spacecraft parts, racing car bodies, golf club shafts, bicycle frames, fishing rods, automobile springs, sailboat masts, and many other components where light weight and high strength are needed.

According to APO Research, The global Carbon Fiber market was valued at US\$ million in 2023 and is anticipated to reach US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

The major manufacturers of carbon fiber are Toray, Zoltek (Toray), Mitsubishi Rayon, Toho Tenax, SGL and so on. The top three accounted for about 45%.

North America is the main market, accounting for about 30%, followed by Europe at about 20%.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Carbon Fiber, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding

Carbon Fiber.

The report will help the Carbon Fiber manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, sales volume, and average price for the overall market and the sub-segments across the different segments, by company, by Type, by Application, and by regions.

The Carbon Fiber market size, estimations, and forecasts are provided in terms of sales volume (MT) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Carbon Fiber market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Toray

ZOLTEK (Toray)

Mitsubishi Rayon

Toho Tenax (Teijin)

Hexcel

Formosa Plastics Corp

SGL

Cytec Solvay

DuPont

Hyosung

Taekwang Industrial

Zhongfu Shenying

Jiangsu Hengshen

Weihai Tuozhan Fiber

Bluestar Fibres

Carbon Fiber segment by Type

Regular-Tow Carbon Fiber

Large-Tow Carbon Fiber

Carbon Fiber segment by Application

Industrial Materials

Aerospace

Sports/Leisure

Medical Industry

Carbon Fiber Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Carbon Fiber market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Carbon Fiber and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market
5. This report helps stakeholders to gain insights into which regions to target globally
6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Carbon Fiber.
7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Research objectives, research methods, data sources, data cross-validation;

Chapter 2: Introduces the report scope of the report, executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the market and its likely evolution in the short to mid-term, and long term.

Chapter 3: Detailed analysis of Carbon Fiber manufacturers competitive landscape, price, production and value market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 5: Production/output, value of Carbon Fiber by region/country. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 6: Consumption of Carbon Fiber in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 7: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 8: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Introduces the market dynamics, latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 11: The main points and conclusions of the report.

Chapter 11: The main points and conclusions of the report.

Contents

1 PREFACE

- 1.1 Scope of Report
- 1.2 Reasons for Doing This Study
- 1.3 Research Methodology
- 1.4 Research Process
- 1.5 Data Source
 - 1.5.1 Secondary Sources
 - 1.5.2 Primary Sources

2 MARKET OVERVIEW

- 2.1 Product Definition
- 2.2 Carbon Fiber by Type
 - 2.2.1 Market Value Comparison by Type (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.2.2 Regular-Tow Carbon Fiber
 - 2.2.3 Large-Tow Carbon Fiber
- 2.3 Carbon Fiber by Application
 - 2.3.1 Market Value Comparison by Application (2019 VS 2023 VS 2030) & (US\$ Million)
 - 2.3.2 Industrial Materials
 - 2.3.3 Aerospace
 - 2.3.4 Sports/Leisure
 - 2.3.5 Medical Industry
- 2.4 Global Market Growth Prospects
 - 2.4.1 Global Carbon Fiber Production Value Estimates and Forecasts (2019-2030)
 - 2.4.2 Global Carbon Fiber Production Capacity Estimates and Forecasts (2019-2030)
 - 2.4.3 Global Carbon Fiber Production Estimates and Forecasts (2019-2030)
 - 2.4.4 Global Carbon Fiber Market Average Price (2019-2030)

3 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

- 3.1 Global Carbon Fiber Production by Manufacturers (2019-2024)
- 3.2 Global Carbon Fiber Production Value by Manufacturers (2019-2024)
- 3.3 Global Carbon Fiber Average Price by Manufacturers (2019-2024)
- 3.4 Global Carbon Fiber Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Carbon Fiber Key Manufacturers, Manufacturing Sites & Headquarters

- 3.6 Global Carbon Fiber Manufacturers, Product Type & Application
- 3.7 Global Carbon Fiber Manufacturers, Date of Enter into This Industry
- 3.8 Global Carbon Fiber Market CR5 and HHI
- 3.9 Global Manufacturers Mergers & Acquisition

4 MANUFACTURERS PROFILED

4.1 Toray

- 4.1.1 Toray Carbon Fiber Company Information
- 4.1.2 Toray Carbon Fiber Business Overview
- 4.1.3 Toray Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
- 4.1.4 Toray Product Portfolio
- 4.1.5 Toray Recent Developments

4.2 ZOLTEK (Toray)

- 4.2.1 ZOLTEK (Toray) Carbon Fiber Company Information
- 4.2.2 ZOLTEK (Toray) Carbon Fiber Business Overview
- 4.2.3 ZOLTEK (Toray) Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
- 4.2.4 ZOLTEK (Toray) Product Portfolio
- 4.2.5 ZOLTEK (Toray) Recent Developments

4.3 Mitsubishi Rayon

- 4.3.1 Mitsubishi Rayon Carbon Fiber Company Information
- 4.3.2 Mitsubishi Rayon Carbon Fiber Business Overview
- 4.3.3 Mitsubishi Rayon Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
- 4.3.4 Mitsubishi Rayon Product Portfolio
- 4.3.5 Mitsubishi Rayon Recent Developments

4.4 Toho Tenax (Teijin)

- 4.4.1 Toho Tenax (Teijin) Carbon Fiber Company Information
- 4.4.2 Toho Tenax (Teijin) Carbon Fiber Business Overview
- 4.4.3 Toho Tenax (Teijin) Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
- 4.4.4 Toho Tenax (Teijin) Product Portfolio
- 4.4.5 Toho Tenax (Teijin) Recent Developments

4.5 Hexcel

- 4.5.1 Hexcel Carbon Fiber Company Information
- 4.5.2 Hexcel Carbon Fiber Business Overview
- 4.5.3 Hexcel Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
- 4.5.4 Hexcel Product Portfolio

- 4.5.5 Hexcel Recent Developments
- 4.6 Formosa Plastics Corp
 - 4.6.1 Formosa Plastics Corp Carbon Fiber Company Information
 - 4.6.2 Formosa Plastics Corp Carbon Fiber Business Overview
 - 4.6.3 Formosa Plastics Corp Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.6.4 Formosa Plastics Corp Product Portfolio
 - 4.6.5 Formosa Plastics Corp Recent Developments
- 4.7 SGL
 - 4.7.1 SGL Carbon Fiber Company Information
 - 4.7.2 SGL Carbon Fiber Business Overview
 - 4.7.3 SGL Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.7.4 SGL Product Portfolio
 - 4.7.5 SGL Recent Developments
- 4.8 Cytec Solvay
 - 4.8.1 Cytec Solvay Carbon Fiber Company Information
 - 4.8.2 Cytec Solvay Carbon Fiber Business Overview
 - 4.8.3 Cytec Solvay Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.8.4 Cytec Solvay Product Portfolio
 - 4.8.5 Cytec Solvay Recent Developments
- 4.9 DuPont
 - 4.9.1 DuPont Carbon Fiber Company Information
 - 4.9.2 DuPont Carbon Fiber Business Overview
 - 4.9.3 DuPont Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.9.4 DuPont Product Portfolio
 - 4.9.5 DuPont Recent Developments
- 4.10 Hyosung
 - 4.10.1 Hyosung Carbon Fiber Company Information
 - 4.10.2 Hyosung Carbon Fiber Business Overview
 - 4.10.3 Hyosung Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.10.4 Hyosung Product Portfolio
 - 4.10.5 Hyosung Recent Developments
- 4.11 Taekwang Industrial
 - 4.11.1 Taekwang Industrial Carbon Fiber Company Information
 - 4.11.2 Taekwang Industrial Carbon Fiber Business Overview
 - 4.11.3 Taekwang Industrial Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)

- 4.11.4 Taekwang Industrial Product Portfolio
- 4.11.5 Taekwang Industrial Recent Developments
- 4.12 Zhongfu Shenying
 - 4.12.1 Zhongfu Shenying Carbon Fiber Company Information
 - 4.12.2 Zhongfu Shenying Carbon Fiber Business Overview
 - 4.12.3 Zhongfu Shenying Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.12.4 Zhongfu Shenying Product Portfolio
 - 4.12.5 Zhongfu Shenying Recent Developments
- 4.13 Jiangsu Hengshen
 - 4.13.1 Jiangsu Hengshen Carbon Fiber Company Information
 - 4.13.2 Jiangsu Hengshen Carbon Fiber Business Overview
 - 4.13.3 Jiangsu Hengshen Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.13.4 Jiangsu Hengshen Product Portfolio
 - 4.13.5 Jiangsu Hengshen Recent Developments
- 4.14 Weihai Tuozechan Fiber
 - 4.14.1 Weihai Tuozechan Fiber Carbon Fiber Company Information
 - 4.14.2 Weihai Tuozechan Fiber Carbon Fiber Business Overview
 - 4.14.3 Weihai Tuozechan Fiber Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.14.4 Weihai Tuozechan Fiber Product Portfolio
 - 4.14.5 Weihai Tuozechan Fiber Recent Developments
- 4.15 Bluestar Fibres
 - 4.15.1 Bluestar Fibres Carbon Fiber Company Information
 - 4.15.2 Bluestar Fibres Carbon Fiber Business Overview
 - 4.15.3 Bluestar Fibres Carbon Fiber Production Capacity, Value and Gross Margin (2019-2024)
 - 4.15.4 Bluestar Fibres Product Portfolio
 - 4.15.5 Bluestar Fibres Recent Developments

5 GLOBAL CARBON FIBER PRODUCTION BY REGION

- 5.1 Global Carbon Fiber Production Estimates and Forecasts by Region: 2019 VS 2023 VS 2030
- 5.2 Global Carbon Fiber Production by Region: 2019-2030
 - 5.2.1 Global Carbon Fiber Production by Region: 2019-2024
 - 5.2.2 Global Carbon Fiber Production Forecast by Region (2025-2030)
- 5.3 Global Carbon Fiber Production Value Estimates and Forecasts by Region: 2019

VS 2023 VS 2030

5.4 Global Carbon Fiber Production Value by Region: 2019-2030

5.4.1 Global Carbon Fiber Production Value by Region: 2019-2024

5.4.2 Global Carbon Fiber Production Value Forecast by Region (2025-2030)

5.5 Global Carbon Fiber Market Price Analysis by Region (2019-2024)

5.6 Global Carbon Fiber Production and Value, YOY Growth

5.6.1 North America Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

5.6.2 Europe Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

5.6.3 China Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

5.6.4 Japan Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

5.6.5 India Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

5.6.6 Southeast Asia Carbon Fiber Production Value Estimates and Forecasts (2019-2030)

6 GLOBAL CARBON FIBER CONSUMPTION BY REGION

6.1 Global Carbon Fiber Consumption Estimates and Forecasts by Region: 2019 VS 2023 VS 2030

6.2 Global Carbon Fiber Consumption by Region (2019-2030)

6.2.1 Global Carbon Fiber Consumption by Region: 2019-2030

6.2.2 Global Carbon Fiber Forecasted Consumption by Region (2025-2030)

6.3 North America

6.3.1 North America Carbon Fiber Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.3.2 North America Carbon Fiber Consumption by Country (2019-2030)

6.3.3 U.S.

6.3.4 Canada

6.4 Europe

6.4.1 Europe Carbon Fiber Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.4.2 Europe Carbon Fiber Consumption by Country (2019-2030)

6.4.3 Germany

6.4.4 France

6.4.5 U.K.

6.4.6 Italy

6.4.7 Russia

6.5 Asia Pacific

6.5.1 Asia Pacific Carbon Fiber Consumption Growth Rate by Country: 2019 VS 2023

VS 2030

6.5.2 Asia Pacific Carbon Fiber Consumption by Country (2019-2030)

6.5.3 China

6.5.4 Japan

6.5.5 South Korea

6.5.6 China Taiwan

6.5.7 Southeast Asia

6.5.8 India

6.5.9 Australia

6.6 Latin America, Middle East & Africa

6.6.1 Latin America, Middle East & Africa Carbon Fiber Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

6.6.2 Latin America, Middle East & Africa Carbon Fiber Consumption by Country (2019-2030)

6.6.3 Mexico

6.6.4 Brazil

6.6.5 Turkey

6.6.5 GCC Countries

7 SEGMENT BY TYPE

7.1 Global Carbon Fiber Production by Type (2019-2030)

7.1.1 Global Carbon Fiber Production by Type (2019-2030) & (MT)

7.1.2 Global Carbon Fiber Production Market Share by Type (2019-2030)

7.2 Global Carbon Fiber Production Value by Type (2019-2030)

7.2.1 Global Carbon Fiber Production Value by Type (2019-2030) & (US\$ Million)

7.2.2 Global Carbon Fiber Production Value Market Share by Type (2019-2030)

7.3 Global Carbon Fiber Price by Type (2019-2030)

8 SEGMENT BY APPLICATION

8.1 Global Carbon Fiber Production by Application (2019-2030)

8.1.1 Global Carbon Fiber Production by Application (2019-2030) & (MT)

8.1.2 Global Carbon Fiber Production by Application (2019-2030) & (MT)

8.2 Global Carbon Fiber Production Value by Application (2019-2030)

8.2.1 Global Carbon Fiber Production Value by Application (2019-2030) & (US\$ Million)

8.2.2 Global Carbon Fiber Production Value Market Share by Application (2019-2030)

8.3 Global Carbon Fiber Price by Application (2019-2030)

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS OF THE MARKET

9.1 Carbon Fiber Value Chain Analysis

9.1.1 Carbon Fiber Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Carbon Fiber Production Mode & Process

9.2 Carbon Fiber Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Carbon Fiber Distributors

9.2.3 Carbon Fiber Customers

10 GLOBAL CARBON FIBER ANALYZING MARKET DYNAMICS

10.1 Carbon Fiber Industry Trends

10.2 Carbon Fiber Industry Drivers

10.3 Carbon Fiber Industry Opportunities and Challenges

10.4 Carbon Fiber Industry Restraints

11 REPORT CONCLUSION

12 DISCLAIMER

I would like to order

Product name: Carbon Fiber Industry Research Report 2024

Product link: <https://marketpublishers.com/r/C0497D4A7B1DEN.html>

Price: US\$ 2,950.00 (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/C0497D4A7B1DEN.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