

Global Carbon Fibers Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview:

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.

The Global Carbon Fibers Market Size was estimated at USD 1842.75 million in 2023 and is projected to reach USD 2291.60 million by 2029, exhibiting a CAGR of 3.70% during the forecast period.

This report provides a deep insight into the global Carbon Fibers market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore,



it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Carbon Fibers Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Carbon Fibers market in any manner.

Global Carbon Fibers Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Toray

ZOLTEK (Toray)

Mitsubishi Rayon

Toho Tenax (Teijin)

Hexcel

Formosa Plastics Corp

SGL

Cytec Solvay

Dow Aksa



Hyosung

Taekwang Industrial

Zhongfu Shenying

Jiangsu Hengshen

Weihai Tuozhan Fiber

Bluestar Fibres

Market Segmentation (by Type)

Regular-Tow Carbon Fiber

Large-Tow Carbon Fiber

Market Segmentation (by Application)

Industrial Materials

Aerospace

Sports/Leisure

Medical

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)



The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Carbon Fibers Market

Overview of the regional outlook of the Carbon Fibers Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly



Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.



Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an 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 Carbon Fibers Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the 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 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to 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 8 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 capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.



Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.



Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Carbon Fibers
- 1.2 Key Market Segments
- 1.2.1 Carbon Fibers Segment by Type
- 1.2.2 Carbon Fibers Segment by Application
- 1.3 Methodology & Sources of Information
- 1.3.1 Research Methodology
- 1.3.2 Research Process
- 1.3.3 Market Breakdown and Data Triangulation
- 1.3.4 Base Year
- 1.3.5 Report Assumptions & Caveats

2 CARBON FIBERS MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Carbon Fibers Market Size (M USD) Estimates and Forecasts (2019-2030)

- 2.1.2 Global Carbon Fibers Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 CARBON FIBERS MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Carbon Fibers Sales by Manufacturers (2019-2024)
- 3.2 Global Carbon Fibers Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Carbon Fibers Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Carbon Fibers Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Carbon Fibers Sales Sites, Area Served, Product Type
- 3.6 Carbon Fibers Market Competitive Situation and Trends
 - 3.6.1 Carbon Fibers Market Concentration Rate
 - 3.6.2 Global 5 and 10 Largest Carbon Fibers Players Market Share by Revenue
 - 3.6.3 Mergers & Acquisitions, Expansion

4 CARBON FIBERS INDUSTRY CHAIN ANALYSIS

4.1 Carbon Fibers Industry Chain Analysis



- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF CARBON FIBERS MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
- 5.5.2 Mergers & Acquisitions
- 5.5.3 Expansions
- 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 CARBON FIBERS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Carbon Fibers Sales Market Share by Type (2019-2024)
- 6.3 Global Carbon Fibers Market Size Market Share by Type (2019-2024)
- 6.4 Global Carbon Fibers Price by Type (2019-2024)

7 CARBON FIBERS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Carbon Fibers Market Sales by Application (2019-2024)
- 7.3 Global Carbon Fibers Market Size (M USD) by Application (2019-2024)
- 7.4 Global Carbon Fibers Sales Growth Rate by Application (2019-2024)

8 CARBON FIBERS MARKET SEGMENTATION BY REGION

- 8.1 Global Carbon Fibers Sales by Region
 - 8.1.1 Global Carbon Fibers Sales by Region
- 8.1.2 Global Carbon Fibers Sales Market Share by Region
- 8.2 North America
 - 8.2.1 North America Carbon Fibers Sales by Country
 - 8.2.2 U.S.



- 8.2.3 Canada
- 8.2.4 Mexico
- 8.3 Europe
 - 8.3.1 Europe Carbon Fibers Sales by Country
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 U.K.
 - 8.3.5 Italy
 - 8.3.6 Russia
- 8.4 Asia Pacific
 - 8.4.1 Asia Pacific Carbon Fibers Sales by Region
 - 8.4.2 China
 - 8.4.3 Japan
 - 8.4.4 South Korea
 - 8.4.5 India
 - 8.4.6 Southeast Asia
- 8.5 South America
 - 8.5.1 South America Carbon Fibers Sales by Country
 - 8.5.2 Brazil
 - 8.5.3 Argentina
 - 8.5.4 Columbia
- 8.6 Middle East and Africa
 - 8.6.1 Middle East and Africa Carbon Fibers Sales by Region
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE
 - 8.6.4 Egypt
 - 8.6.5 Nigeria
 - 8.6.6 South Africa

9 KEY COMPANIES PROFILE

- 9.1 Toray
 - 9.1.1 Toray Carbon Fibers Basic Information
 - 9.1.2 Toray Carbon Fibers Product Overview
 - 9.1.3 Toray Carbon Fibers Product Market Performance
 - 9.1.4 Toray Business Overview
 - 9.1.5 Toray Carbon Fibers SWOT Analysis
 - 9.1.6 Toray Recent Developments
- 9.2 ZOLTEK (Toray)



- 9.2.1 ZOLTEK (Toray) Carbon Fibers Basic Information
- 9.2.2 ZOLTEK (Toray) Carbon Fibers Product Overview
- 9.2.3 ZOLTEK (Toray) Carbon Fibers Product Market Performance
- 9.2.4 ZOLTEK (Toray) Business Overview
- 9.2.5 ZOLTEK (Toray) Carbon Fibers SWOT Analysis
- 9.2.6 ZOLTEK (Toray) Recent Developments

9.3 Mitsubishi Rayon

- 9.3.1 Mitsubishi Rayon Carbon Fibers Basic Information
- 9.3.2 Mitsubishi Rayon Carbon Fibers Product Overview
- 9.3.3 Mitsubishi Rayon Carbon Fibers Product Market Performance
- 9.3.4 Mitsubishi Rayon Carbon Fibers SWOT Analysis
- 9.3.5 Mitsubishi Rayon Business Overview
- 9.3.6 Mitsubishi Rayon Recent Developments
- 9.4 Toho Tenax (Teijin)
- 9.4.1 Toho Tenax (Teijin) Carbon Fibers Basic Information
- 9.4.2 Toho Tenax (Teijin) Carbon Fibers Product Overview
- 9.4.3 Toho Tenax (Teijin) Carbon Fibers Product Market Performance
- 9.4.4 Toho Tenax (Teijin) Business Overview
- 9.4.5 Toho Tenax (Teijin) Recent Developments
- 9.5 Hexcel
 - 9.5.1 Hexcel Carbon Fibers Basic Information
- 9.5.2 Hexcel Carbon Fibers Product Overview
- 9.5.3 Hexcel Carbon Fibers Product Market Performance
- 9.5.4 Hexcel Business Overview
- 9.5.5 Hexcel Recent Developments
- 9.6 Formosa Plastics Corp
 - 9.6.1 Formosa Plastics Corp Carbon Fibers Basic Information
 - 9.6.2 Formosa Plastics Corp Carbon Fibers Product Overview
- 9.6.3 Formosa Plastics Corp Carbon Fibers Product Market Performance
- 9.6.4 Formosa Plastics Corp Business Overview
- 9.6.5 Formosa Plastics Corp Recent Developments

9.7 SGL

- 9.7.1 SGL Carbon Fibers Basic Information
- 9.7.2 SGL Carbon Fibers Product Overview
- 9.7.3 SGL Carbon Fibers Product Market Performance
- 9.7.4 SGL Business Overview
- 9.7.5 SGL Recent Developments
- 9.8 Cytec Solvay
- 9.8.1 Cytec Solvay Carbon Fibers Basic Information



- 9.8.2 Cytec Solvay Carbon Fibers Product Overview
- 9.8.3 Cytec Solvay Carbon Fibers Product Market Performance
- 9.8.4 Cytec Solvay Business Overview
- 9.8.5 Cytec Solvay Recent Developments

9.9 Dow Aksa

- 9.9.1 Dow Aksa Carbon Fibers Basic Information
- 9.9.2 Dow Aksa Carbon Fibers Product Overview
- 9.9.3 Dow Aksa Carbon Fibers Product Market Performance
- 9.9.4 Dow Aksa Business Overview
- 9.9.5 Dow Aksa Recent Developments

9.10 Hyosung

- 9.10.1 Hyosung Carbon Fibers Basic Information
- 9.10.2 Hyosung Carbon Fibers Product Overview
- 9.10.3 Hyosung Carbon Fibers Product Market Performance
- 9.10.4 Hyosung Business Overview
- 9.10.5 Hyosung Recent Developments
- 9.11 Taekwang Industrial
 - 9.11.1 Taekwang Industrial Carbon Fibers Basic Information
 - 9.11.2 Taekwang Industrial Carbon Fibers Product Overview
 - 9.11.3 Taekwang Industrial Carbon Fibers Product Market Performance
 - 9.11.4 Taekwang Industrial Business Overview
- 9.11.5 Taekwang Industrial Recent Developments

9.12 Zhongfu Shenying

- 9.12.1 Zhongfu Shenying Carbon Fibers Basic Information
- 9.12.2 Zhongfu Shenying Carbon Fibers Product Overview
- 9.12.3 Zhongfu Shenying Carbon Fibers Product Market Performance
- 9.12.4 Zhongfu Shenying Business Overview
- 9.12.5 Zhongfu Shenying Recent Developments
- 9.13 Jiangsu Hengshen
 - 9.13.1 Jiangsu Hengshen Carbon Fibers Basic Information
 - 9.13.2 Jiangsu Hengshen Carbon Fibers Product Overview
 - 9.13.3 Jiangsu Hengshen Carbon Fibers Product Market Performance
 - 9.13.4 Jiangsu Hengshen Business Overview
 - 9.13.5 Jiangsu Hengshen Recent Developments
- 9.14 Weihai Tuozhan Fiber
 - 9.14.1 Weihai Tuozhan Fiber Carbon Fibers Basic Information
 - 9.14.2 Weihai Tuozhan Fiber Carbon Fibers Product Overview
 - 9.14.3 Weihai Tuozhan Fiber Carbon Fibers Product Market Performance
 - 9.14.4 Weihai Tuozhan Fiber Business Overview



9.14.5 Weihai Tuozhan Fiber Recent Developments

9.15 Bluestar Fibres

- 9.15.1 Bluestar Fibres Carbon Fibers Basic Information
- 9.15.2 Bluestar Fibres Carbon Fibers Product Overview
- 9.15.3 Bluestar Fibres Carbon Fibers Product Market Performance
- 9.15.4 Bluestar Fibres Business Overview
- 9.15.5 Bluestar Fibres Recent Developments

10 CARBON FIBERS MARKET FORECAST BY REGION

- 10.1 Global Carbon Fibers Market Size Forecast
- 10.2 Global Carbon Fibers Market Forecast by Region
- 10.2.1 North America Market Size Forecast by Country
- 10.2.2 Europe Carbon Fibers Market Size Forecast by Country
- 10.2.3 Asia Pacific Carbon Fibers Market Size Forecast by Region
- 10.2.4 South America Carbon Fibers Market Size Forecast by Country
- 10.2.5 Middle East and Africa Forecasted Consumption of Carbon Fibers by Country

11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)

- 11.1 Global Carbon Fibers Market Forecast by Type (2025-2030)
- 11.1.1 Global Forecasted Sales of Carbon Fibers by Type (2025-2030)
- 11.1.2 Global Carbon Fibers Market Size Forecast by Type (2025-2030)
- 11.1.3 Global Forecasted Price of Carbon Fibers by Type (2025-2030)
- 11.2 Global Carbon Fibers Market Forecast by Application (2025-2030)
- 11.2.1 Global Carbon Fibers Sales (Kilotons) Forecast by Application

11.2.2 Global Carbon Fibers Market Size (M USD) Forecast by Application (2025-2030)

12 CONCLUSION AND KEY FINDINGS





List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Carbon Fibers Market Size Comparison by Region (M USD)
- Table 5. Global Carbon Fibers Sales (Kilotons) by Manufacturers (2019-2024)
- Table 6. Global Carbon Fibers Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Carbon Fibers Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Carbon Fibers Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Carbon Fibers as of 2022)

Table 10. Global Market Carbon Fibers Average Price (USD/Ton) of Key Manufacturers (2019-2024)

- Table 11. Manufacturers Carbon Fibers Sales Sites and Area Served
- Table 12. Manufacturers Carbon Fibers Product Type
- Table 13. Global Carbon Fibers Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Carbon Fibers
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Carbon Fibers Market Challenges
- Table 22. Global Carbon Fibers Sales by Type (Kilotons)
- Table 23. Global Carbon Fibers Market Size by Type (M USD)
- Table 24. Global Carbon Fibers Sales (Kilotons) by Type (2019-2024)
- Table 25. Global Carbon Fibers Sales Market Share by Type (2019-2024)
- Table 26. Global Carbon Fibers Market Size (M USD) by Type (2019-2024)
- Table 27. Global Carbon Fibers Market Size Share by Type (2019-2024)
- Table 28. Global Carbon Fibers Price (USD/Ton) by Type (2019-2024)
- Table 29. Global Carbon Fibers Sales (Kilotons) by Application
- Table 30. Global Carbon Fibers Market Size by Application
- Table 31. Global Carbon Fibers Sales by Application (2019-2024) & (Kilotons)
- Table 32. Global Carbon Fibers Sales Market Share by Application (2019-2024)



Table 33. Global Carbon Fibers Sales by Application (2019-2024) & (M USD) Table 34. Global Carbon Fibers Market Share by Application (2019-2024) Table 35. Global Carbon Fibers Sales Growth Rate by Application (2019-2024) Table 36. Global Carbon Fibers Sales by Region (2019-2024) & (Kilotons) Table 37. Global Carbon Fibers Sales Market Share by Region (2019-2024) Table 38. North America Carbon Fibers Sales by Country (2019-2024) & (Kilotons) Table 39. Europe Carbon Fibers Sales by Country (2019-2024) & (Kilotons) Table 40. Asia Pacific Carbon Fibers Sales by Region (2019-2024) & (Kilotons) Table 41. South America Carbon Fibers Sales by Country (2019-2024) & (Kilotons) Table 42. Middle East and Africa Carbon Fibers Sales by Region (2019-2024) & (Kilotons) Table 43. Toray Carbon Fibers Basic Information Table 44. Toray Carbon Fibers Product Overview Table 45. Toray Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 46. Toray Business Overview Table 47. Toray Carbon Fibers SWOT Analysis Table 48. Toray Recent Developments Table 49. ZOLTEK (Toray) Carbon Fibers Basic Information Table 50. ZOLTEK (Toray) Carbon Fibers Product Overview Table 51. ZOLTEK (Toray) Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 52. ZOLTEK (Toray) Business Overview Table 53. ZOLTEK (Toray) Carbon Fibers SWOT Analysis Table 54. ZOLTEK (Toray) Recent Developments Table 55. Mitsubishi Rayon Carbon Fibers Basic Information Table 56. Mitsubishi Rayon Carbon Fibers Product Overview Table 57. Mitsubishi Rayon Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 58. Mitsubishi Rayon Carbon Fibers SWOT Analysis Table 59. Mitsubishi Rayon Business Overview Table 60. Mitsubishi Rayon Recent Developments Table 61. Toho Tenax (Teijin) Carbon Fibers Basic Information Table 62. Toho Tenax (Teijin) Carbon Fibers Product Overview Table 63. Toho Tenax (Teijin) Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 64. Toho Tenax (Teijin) Business Overview Table 65. Toho Tenax (Teijin) Recent Developments Table 66. Hexcel Carbon Fibers Basic Information



Table 67. Hexcel Carbon Fibers Product Overview

Table 68. Hexcel Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

Table 69. Hexcel Business Overview

Table 70. Hexcel Recent Developments

Table 71. Formosa Plastics Corp Carbon Fibers Basic Information

Table 72. Formosa Plastics Corp Carbon Fibers Product Overview

Table 73. Formosa Plastics Corp Carbon Fibers Sales (Kilotons), Revenue (M USD),

- Price (USD/Ton) and Gross Margin (2019-2024)
- Table 74. Formosa Plastics Corp Business Overview
- Table 75. Formosa Plastics Corp Recent Developments
- Table 76. SGL Carbon Fibers Basic Information
- Table 77. SGL Carbon Fibers Product Overview

Table 78. SGL Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

- Table 79. SGL Business Overview
- Table 80. SGL Recent Developments

Table 81. Cytec Solvay Carbon Fibers Basic Information

Table 82. Cytec Solvay Carbon Fibers Product Overview

Table 83. Cytec Solvay Carbon Fibers Sales (Kilotons), Revenue (M USD), Price

- (USD/Ton) and Gross Margin (2019-2024)
- Table 84. Cytec Solvay Business Overview
- Table 85. Cytec Solvay Recent Developments
- Table 86. Dow Aksa Carbon Fibers Basic Information
- Table 87. Dow Aksa Carbon Fibers Product Overview

Table 88. Dow Aksa Carbon Fibers Sales (Kilotons), Revenue (M USD), Price

- (USD/Ton) and Gross Margin (2019-2024)
- Table 89. Dow Aksa Business Overview
- Table 90. Dow Aksa Recent Developments

Table 91. Hyosung Carbon Fibers Basic Information

Table 92. Hyosung Carbon Fibers Product Overview

Table 93. Hyosung Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024)

- Table 94. Hyosung Business Overview
- Table 95. Hyosung Recent Developments

Table 96. Taekwang Industrial Carbon Fibers Basic Information

Table 97. Taekwang Industrial Carbon Fibers Product Overview

Table 98. Taekwang Industrial Carbon Fibers Sales (Kilotons), Revenue (M USD), Price

(USD/Ton) and Gross Margin (2019-2024)



Table 99. Taekwang Industrial Business Overview Table 100. Taekwang Industrial Recent Developments Table 101. Zhongfu Shenying Carbon Fibers Basic Information Table 102. Zhongfu Shenying Carbon Fibers Product Overview Table 103. Zhongfu Shenying Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 104. Zhongfu Shenying Business Overview Table 105. Zhongfu Shenying Recent Developments Table 106. Jiangsu Hengshen Carbon Fibers Basic Information Table 107. Jiangsu Hengshen Carbon Fibers Product Overview Table 108. Jiangsu Hengshen Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 109. Jiangsu Hengshen Business Overview Table 110. Jiangsu Hengshen Recent Developments Table 111. Weihai Tuozhan Fiber Carbon Fibers Basic Information Table 112. Weihai Tuozhan Fiber Carbon Fibers Product Overview Table 113. Weihai Tuozhan Fiber Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 114. Weihai Tuozhan Fiber Business Overview Table 115. Weihai Tuozhan Fiber Recent Developments Table 116. Bluestar Fibres Carbon Fibers Basic Information Table 117. Bluestar Fibres Carbon Fibers Product Overview Table 118. Bluestar Fibres Carbon Fibers Sales (Kilotons), Revenue (M USD), Price (USD/Ton) and Gross Margin (2019-2024) Table 119. Bluestar Fibres Business Overview Table 120. Bluestar Fibres Recent Developments Table 121. Global Carbon Fibers Sales Forecast by Region (2025-2030) & (Kilotons) Table 122. Global Carbon Fibers Market Size Forecast by Region (2025-2030) & (M USD) Table 123. North America Carbon Fibers Sales Forecast by Country (2025-2030) & (Kilotons) Table 124. North America Carbon Fibers Market Size Forecast by Country (2025-2030) & (M USD) Table 125. Europe Carbon Fibers Sales Forecast by Country (2025-2030) & (Kilotons) Table 126. Europe Carbon Fibers Market Size Forecast by Country (2025-2030) & (M USD) Table 127. Asia Pacific Carbon Fibers Sales Forecast by Region (2025-2030) & (Kilotons) Table 128. Asia Pacific Carbon Fibers Market Size Forecast by Region (2025-2030) &



(M USD)

Table 129. South America Carbon Fibers Sales Forecast by Country (2025-2030) & (Kilotons)

Table 130. South America Carbon Fibers Market Size Forecast by Country (2025-2030) & (M USD)

Table 131. Middle East and Africa Carbon Fibers Consumption Forecast by Country (2025-2030) & (Units)

Table 132. Middle East and Africa Carbon Fibers Market Size Forecast by Country (2025-2030) & (M USD)

Table 133. Global Carbon Fibers Sales Forecast by Type (2025-2030) & (Kilotons)

Table 134. Global Carbon Fibers Market Size Forecast by Type (2025-2030) & (M USD)

Table 135. Global Carbon Fibers Price Forecast by Type (2025-2030) & (USD/Ton)

Table 136. Global Carbon Fibers Sales (Kilotons) Forecast by Application (2025-2030)

Table 137. Global Carbon Fibers Market Size Forecast by Application (2025-2030) & (M USD)



List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Carbon Fibers

- Figure 2. Data Triangulation
- Figure 3. Key Caveats

Figure 4. Global Carbon Fibers Market Size (M USD), 2019-2030

Figure 5. Global Carbon Fibers Market Size (M USD) (2019-2030)

Figure 6. Global Carbon Fibers Sales (Kilotons) & (2019-2030)

- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Carbon Fibers Market Size by Country (M USD)

Figure 11. Carbon Fibers Sales Share by Manufacturers in 2023

Figure 12. Global Carbon Fibers Revenue Share by Manufacturers in 2023

Figure 13. Carbon Fibers Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Carbon Fibers Average Price (USD/Ton) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Carbon Fibers Revenue in 2023

- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Carbon Fibers Market Share by Type
- Figure 18. Sales Market Share of Carbon Fibers by Type (2019-2024)

Figure 19. Sales Market Share of Carbon Fibers by Type in 2023

Figure 20. Market Size Share of Carbon Fibers by Type (2019-2024)

Figure 21. Market Size Market Share of Carbon Fibers by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Carbon Fibers Market Share by Application

Figure 24. Global Carbon Fibers Sales Market Share by Application (2019-2024)

- Figure 25. Global Carbon Fibers Sales Market Share by Application in 2023
- Figure 26. Global Carbon Fibers Market Share by Application (2019-2024)
- Figure 27. Global Carbon Fibers Market Share by Application in 2023
- Figure 28. Global Carbon Fibers Sales Growth Rate by Application (2019-2024)
- Figure 29. Global Carbon Fibers Sales Market Share by Region (2019-2024)

Figure 30. North America Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons)

Figure 31. North America Carbon Fibers Sales Market Share by Country in 2023



Figure 32. U.S. Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 33. Canada Carbon Fibers Sales (Kilotons) and Growth Rate (2019-2024) Figure 34. Mexico Carbon Fibers Sales (Units) and Growth Rate (2019-2024) Figure 35. Europe Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 36. Europe Carbon Fibers Sales Market Share by Country in 2023 Figure 37. Germany Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 38. France Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 39. U.K. Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 40. Italy Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 41. Russia Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 42. Asia Pacific Carbon Fibers Sales and Growth Rate (Kilotons) Figure 43. Asia Pacific Carbon Fibers Sales Market Share by Region in 2023 Figure 44. China Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 45. Japan Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 46. South Korea Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 47. India Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 48. Southeast Asia Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 49. South America Carbon Fibers Sales and Growth Rate (Kilotons) Figure 50. South America Carbon Fibers Sales Market Share by Country in 2023 Figure 51. Brazil Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 52. Argentina Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 53. Columbia Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 54. Middle East and Africa Carbon Fibers Sales and Growth Rate (Kilotons) Figure 55. Middle East and Africa Carbon Fibers Sales Market Share by Region in 2023 Figure 56. Saudi Arabia Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 57. UAE Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 58. Egypt Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 59. Nigeria Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 60. South Africa Carbon Fibers Sales and Growth Rate (2019-2024) & (Kilotons) Figure 61. Global Carbon Fibers Sales Forecast by Volume (2019-2030) & (Kilotons) Figure 62. Global Carbon Fibers Market Size Forecast by Value (2019-2030) & (M USD) Figure 63. Global Carbon Fibers Sales Market Share Forecast by Type (2025-2030) Figure 64. Global Carbon Fibers Market Share Forecast by Type (2025-2030) Figure 65. Global Carbon Fibers Sales Forecast by Application (2025-2030)

Figure 66. Global Carbon Fibers Market Share Forecast by Application (2025-2030)



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