

# Global High Thermal Conductivity Carbon Fiber Market Research Report 2024, Forecast to 2032

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## Abstracts

### Report Overview

High thermal conductivity carbon fiber refers to carbon fiber with excellent thermal conductivity. It is mainly based on asphalt-based and vapor-phase grown carbon fiber, and its thermal conductivity is 1.5 to 3 and 5 times that of copper, respectively, and it can efficiently release the heat that needs to be discharged. It is used as a heat dissipator for artificial satellites, space stations and high-density wiring substrates, and as a reinforcement for copper-based or aluminum-based composite materials. This report studies carbon fibers with a thermal conductivity Above or equal to 180W/mk.

The global High Thermal Conductivity Carbon Fiber market size was estimated at USD 438 million in 2023 and is projected to reach USD 868.29 million by 2032, exhibiting a CAGR of 7.90% during the forecast period.

North America High Thermal Conductivity Carbon Fiber market size was estimated at USD 130.11 million in 2023, at a CAGR of 6.77% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global High Thermal Conductivity Carbon Fiber 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, 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 High Thermal Conductivity Carbon Fiber 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 High Thermal Conductivity Carbon Fiber market in any manner.

### Global High Thermal Conductivity Carbon Fiber 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

Nippon Graphite Fiber Corporation

Toray

Syensqo

Mitsubishi Rayon

Teijin Carbon

Hexcel

Formosa Plastics Corp

Cytec Solvay

Toyicarbon

Gaoxitech

Shenzhen Ringo Tech Material Technology

Market Segmentation (by Type)

Pitch-Based Carbon Fiber

Graphene-Based Carbon Fiber

Others

Market Segmentation (by Application)

Consumer Electronics

Satellite Navigation

Nuclear Energy

Others

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 High Thermal Conductivity Carbon Fiber Market

Overview of the regional outlook of the High Thermal Conductivity Carbon Fiber 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 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.

## 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 High Thermal Conductivity Carbon Fiber 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 from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of High Thermal Conductivity Carbon Fiber, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

1.1 Market Definition and Statistical Scope of High Thermal Conductivity Carbon Fiber

1.2 Key Market Segments

1.2.1 High Thermal Conductivity Carbon Fiber Segment by Type

1.2.2 High Thermal Conductivity Carbon Fiber 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 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global High Thermal Conductivity Carbon Fiber Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global High Thermal Conductivity Carbon Fiber Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET COMPETITIVE LANDSCAPE**

3.1 Global High Thermal Conductivity Carbon Fiber Sales by Manufacturers (2019-2024)

3.2 Global High Thermal Conductivity Carbon Fiber Revenue Market Share by Manufacturers (2019-2024)

3.3 High Thermal Conductivity Carbon Fiber Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global High Thermal Conductivity Carbon Fiber Average Price by Manufacturers (2019-2024)

3.5 Manufacturers High Thermal Conductivity Carbon Fiber Sales Sites, Area Served, Product Type

3.6 High Thermal Conductivity Carbon Fiber Market Competitive Situation and Trends

- 3.6.1 High Thermal Conductivity Carbon Fiber Market Concentration Rate
- 3.6.2 Global 5 and 10 Largest High Thermal Conductivity Carbon Fiber Players Market Share by Revenue
- 3.6.3 Mergers & Acquisitions, Expansion

## **4 HIGH THERMAL CONDUCTIVITY CARBON FIBER INDUSTRY CHAIN ANALYSIS**

- 4.1 High Thermal Conductivity Carbon Fiber 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 HIGH THERMAL CONDUCTIVITY CARBON FIBER 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 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET SEGMENTATION BY TYPE**

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

## **7 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET SEGMENTATION BY APPLICATION**

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

## **8 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET CONSUMPTION BY REGION**

- 8.1 Global High Thermal Conductivity Carbon Fiber Sales by Region
  - 8.1.1 Global High Thermal Conductivity Carbon Fiber Sales by Region
  - 8.1.2 Global High Thermal Conductivity Carbon Fiber Sales Market Share by Region
- 8.2 North America
  - 8.2.1 North America High Thermal Conductivity Carbon Fiber Sales by Country
  - 8.2.2 U.S.
  - 8.2.3 Canada
  - 8.2.4 Mexico
- 8.3 Europe
  - 8.3.1 Europe High Thermal Conductivity Carbon Fiber 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 High Thermal Conductivity Carbon Fiber 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 High Thermal Conductivity Carbon Fiber 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 High Thermal Conductivity Carbon Fiber 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 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET PRODUCTION BY REGION**

- 9.1 Global Production of High Thermal Conductivity Carbon Fiber by Region (2019-2024)
- 9.2 Global High Thermal Conductivity Carbon Fiber Revenue Market Share by Region (2019-2024)
- 9.3 Global High Thermal Conductivity Carbon Fiber Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America High Thermal Conductivity Carbon Fiber Production
  - 9.4.1 North America High Thermal Conductivity Carbon Fiber Production Growth Rate (2019-2024)
  - 9.4.2 North America High Thermal Conductivity Carbon Fiber Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe High Thermal Conductivity Carbon Fiber Production
  - 9.5.1 Europe High Thermal Conductivity Carbon Fiber Production Growth Rate (2019-2024)
  - 9.5.2 Europe High Thermal Conductivity Carbon Fiber Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan High Thermal Conductivity Carbon Fiber Production (2019-2024)
  - 9.6.1 Japan High Thermal Conductivity Carbon Fiber Production Growth Rate (2019-2024)
  - 9.6.2 Japan High Thermal Conductivity Carbon Fiber Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China High Thermal Conductivity Carbon Fiber Production (2019-2024)
  - 9.7.1 China High Thermal Conductivity Carbon Fiber Production Growth Rate (2019-2024)
  - 9.7.2 China High Thermal Conductivity Carbon Fiber Production, Revenue, Price and Gross Margin (2019-2024)

## **10 KEY COMPANIES PROFILE**

## 10.1 Nippon Graphite Fiber Corporation

10.1.1 Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Basic Information

10.1.2 Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Product Overview

10.1.3 Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Product Market Performance

10.1.4 Nippon Graphite Fiber Corporation Business Overview

10.1.5 Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber SWOT Analysis

10.1.6 Nippon Graphite Fiber Corporation Recent Developments

## 10.2 Toray

10.2.1 Toray High Thermal Conductivity Carbon Fiber Basic Information

10.2.2 Toray High Thermal Conductivity Carbon Fiber Product Overview

10.2.3 Toray High Thermal Conductivity Carbon Fiber Product Market Performance

10.2.4 Toray Business Overview

10.2.5 Toray High Thermal Conductivity Carbon Fiber SWOT Analysis

10.2.6 Toray Recent Developments

## 10.3 Syensqo

10.3.1 Syensqo High Thermal Conductivity Carbon Fiber Basic Information

10.3.2 Syensqo High Thermal Conductivity Carbon Fiber Product Overview

10.3.3 Syensqo High Thermal Conductivity Carbon Fiber Product Market Performance

10.3.4 Syensqo High Thermal Conductivity Carbon Fiber SWOT Analysis

10.3.5 Syensqo Business Overview

10.3.6 Syensqo Recent Developments

## 10.4 Mitsubishi Rayon

10.4.1 Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Basic Information

10.4.2 Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Product Overview

10.4.3 Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Product Market Performance

10.4.4 Mitsubishi Rayon Business Overview

10.4.5 Mitsubishi Rayon Recent Developments

## 10.5 Teijin Carbon

10.5.1 Teijin Carbon High Thermal Conductivity Carbon Fiber Basic Information

10.5.2 Teijin Carbon High Thermal Conductivity Carbon Fiber Product Overview

10.5.3 Teijin Carbon High Thermal Conductivity Carbon Fiber Product Market Performance

10.5.4 Teijin Carbon Business Overview

10.5.5 Teijin Carbon Recent Developments

## 10.6 Hexcel

10.6.1 Hexcel High Thermal Conductivity Carbon Fiber Basic Information

10.6.2 Hexcel High Thermal Conductivity Carbon Fiber Product Overview

10.6.3 Hexcel High Thermal Conductivity Carbon Fiber Product Market Performance

10.6.4 Hexcel Business Overview

10.6.5 Hexcel Recent Developments

## 10.7 Formosa Plastics Corp

10.7.1 Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Basic Information

10.7.2 Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Product Overview

10.7.3 Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Product Market Performance

10.7.4 Formosa Plastics Corp Business Overview

10.7.5 Formosa Plastics Corp Recent Developments

## 10.8 Cytec Solvay

10.8.1 Cytec Solvay High Thermal Conductivity Carbon Fiber Basic Information

10.8.2 Cytec Solvay High Thermal Conductivity Carbon Fiber Product Overview

10.8.3 Cytec Solvay High Thermal Conductivity Carbon Fiber Product Market Performance

10.8.4 Cytec Solvay Business Overview

10.8.5 Cytec Solvay Recent Developments

## 10.9 Toyicarbon

10.9.1 Toyicarbon High Thermal Conductivity Carbon Fiber Basic Information

10.9.2 Toyicarbon High Thermal Conductivity Carbon Fiber Product Overview

10.9.3 Toyicarbon High Thermal Conductivity Carbon Fiber Product Market Performance

10.9.4 Toyicarbon Business Overview

10.9.5 Toyicarbon Recent Developments

## 10.10 Gaoxitech

10.10.1 Gaoxitech High Thermal Conductivity Carbon Fiber Basic Information

10.10.2 Gaoxitech High Thermal Conductivity Carbon Fiber Product Overview

10.10.3 Gaoxitech High Thermal Conductivity Carbon Fiber Product Market Performance

10.10.4 Gaoxitech Business Overview

10.10.5 Gaoxitech Recent Developments

## 10.11 Shenzhen Ringo Tech Material Technology

10.11.1 Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Basic Information

10.11.2 Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Product Overview

10.11.3 Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Product Market Performance

10.11.4 Shenzhen Ringo Tech Material Technology Business Overview

10.11.5 Shenzhen Ringo Tech Material Technology Recent Developments

## **11 HIGH THERMAL CONDUCTIVITY CARBON FIBER MARKET FORECAST BY REGION**

11.1 Global High Thermal Conductivity Carbon Fiber Market Size Forecast

11.2 Global High Thermal Conductivity Carbon Fiber Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe High Thermal Conductivity Carbon Fiber Market Size Forecast by Country

11.2.3 Asia Pacific High Thermal Conductivity Carbon Fiber Market Size Forecast by Region

11.2.4 South America High Thermal Conductivity Carbon Fiber Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Consumption of High Thermal Conductivity Carbon Fiber by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)**

12.1 Global High Thermal Conductivity Carbon Fiber Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of High Thermal Conductivity Carbon Fiber by Type (2025-2032)

12.1.2 Global High Thermal Conductivity Carbon Fiber Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of High Thermal Conductivity Carbon Fiber by Type (2025-2032)

12.2 Global High Thermal Conductivity Carbon Fiber Market Forecast by Application (2025-2032)

12.2.1 Global High Thermal Conductivity Carbon Fiber Sales (K MT) Forecast by Application

12.2.2 Global High Thermal Conductivity Carbon Fiber Market Size (M USD) Forecast by Application (2025-2032)

## 13 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. High Thermal Conductivity Carbon Fiber Market Size Comparison by Region (M USD)

Table 5. Global High Thermal Conductivity Carbon Fiber Sales (K MT) by Manufacturers (2019-2024)

Table 6. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Manufacturers (2019-2024)

Table 7. Global High Thermal Conductivity Carbon Fiber Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global High Thermal Conductivity Carbon Fiber Revenue Share by Manufacturers (2019-2024)

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

Table 10. Global Market High Thermal Conductivity Carbon Fiber Average Price (USD/MT) of Key Manufacturers (2019-2024)

Table 11. Manufacturers High Thermal Conductivity Carbon Fiber Sales Sites and Area Served

Table 12. Manufacturers High Thermal Conductivity Carbon Fiber Product Type

Table 13. Global High Thermal Conductivity Carbon Fiber Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of High Thermal Conductivity Carbon Fiber

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. High Thermal Conductivity Carbon Fiber Market Challenges

Table 22. Global High Thermal Conductivity Carbon Fiber Sales by Type (K MT)

Table 23. Global High Thermal Conductivity Carbon Fiber Market Size by Type (M USD)

Table 24. Global High Thermal Conductivity Carbon Fiber Sales (K MT) by Type (2019-2024)

- Table 25. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Type (2019-2024)
- Table 26. Global High Thermal Conductivity Carbon Fiber Market Size (M USD) by Type (2019-2024)
- Table 27. Global High Thermal Conductivity Carbon Fiber Market Size Share by Type (2019-2024)
- Table 28. Global High Thermal Conductivity Carbon Fiber Price (USD/MT) by Type (2019-2024)
- Table 29. Global High Thermal Conductivity Carbon Fiber Sales (K MT) by Application
- Table 30. Global High Thermal Conductivity Carbon Fiber Market Size by Application
- Table 31. Global High Thermal Conductivity Carbon Fiber Sales by Application (2019-2024) & (K MT)
- Table 32. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Application (2019-2024)
- Table 33. Global High Thermal Conductivity Carbon Fiber Sales by Application (2019-2024) & (M USD)
- Table 34. Global High Thermal Conductivity Carbon Fiber Market Share by Application (2019-2024)
- Table 35. Global High Thermal Conductivity Carbon Fiber Sales Growth Rate by Application (2019-2024)
- Table 36. Global High Thermal Conductivity Carbon Fiber Sales by Region (2019-2024) & (K MT)
- Table 37. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Region (2019-2024)
- Table 38. North America High Thermal Conductivity Carbon Fiber Sales by Country (2019-2024) & (K MT)
- Table 39. Europe High Thermal Conductivity Carbon Fiber Sales by Country (2019-2024) & (K MT)
- Table 40. Asia Pacific High Thermal Conductivity Carbon Fiber Sales by Region (2019-2024) & (K MT)
- Table 41. South America High Thermal Conductivity Carbon Fiber Sales by Country (2019-2024) & (K MT)
- Table 42. Middle East and Africa High Thermal Conductivity Carbon Fiber Sales by Region (2019-2024) & (K MT)
- Table 43. Global High Thermal Conductivity Carbon Fiber Production (K MT) by Region (2019-2024)
- Table 44. Global High Thermal Conductivity Carbon Fiber Revenue (US\$ Million) by Region (2019-2024)
- Table 45. Global High Thermal Conductivity Carbon Fiber Revenue Market Share by

Region (2019-2024)

Table 46. Global High Thermal Conductivity Carbon Fiber Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 47. North America High Thermal Conductivity Carbon Fiber Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 48. Europe High Thermal Conductivity Carbon Fiber Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 49. Japan High Thermal Conductivity Carbon Fiber Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 50. China High Thermal Conductivity Carbon Fiber Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 51. Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Basic Information

Table 52. Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Product Overview

Table 53. Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 54. Nippon Graphite Fiber Corporation Business Overview

Table 55. Nippon Graphite Fiber Corporation High Thermal Conductivity Carbon Fiber SWOT Analysis

Table 56. Nippon Graphite Fiber Corporation Recent Developments

Table 57. Toray High Thermal Conductivity Carbon Fiber Basic Information

Table 58. Toray High Thermal Conductivity Carbon Fiber Product Overview

Table 59. Toray High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 60. Toray Business Overview

Table 61. Toray High Thermal Conductivity Carbon Fiber SWOT Analysis

Table 62. Toray Recent Developments

Table 63. Syensqo High Thermal Conductivity Carbon Fiber Basic Information

Table 64. Syensqo High Thermal Conductivity Carbon Fiber Product Overview

Table 65. Syensqo High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 66. Syensqo High Thermal Conductivity Carbon Fiber SWOT Analysis

Table 67. Syensqo Business Overview

Table 68. Syensqo Recent Developments

Table 69. Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Basic Information

Table 70. Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Product Overview

Table 71. Mitsubishi Rayon High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 72. Mitsubishi Rayon Business Overview

Table 73. Mitsubishi Rayon Recent Developments

Table 74. Teijin Carbon High Thermal Conductivity Carbon Fiber Basic Information

Table 75. Teijin Carbon High Thermal Conductivity Carbon Fiber Product Overview

Table 76. Teijin Carbon High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 77. Teijin Carbon Business Overview

Table 78. Teijin Carbon Recent Developments

Table 79. Hexcel High Thermal Conductivity Carbon Fiber Basic Information

Table 80. Hexcel High Thermal Conductivity Carbon Fiber Product Overview

Table 81. Hexcel High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 82. Hexcel Business Overview

Table 83. Hexcel Recent Developments

Table 84. Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Basic Information

Table 85. Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Product Overview

Table 86. Formosa Plastics Corp High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 87. Formosa Plastics Corp Business Overview

Table 88. Formosa Plastics Corp Recent Developments

Table 89. Cytec Solvay High Thermal Conductivity Carbon Fiber Basic Information

Table 90. Cytec Solvay High Thermal Conductivity Carbon Fiber Product Overview

Table 91. Cytec Solvay High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 92. Cytec Solvay Business Overview

Table 93. Cytec Solvay Recent Developments

Table 94. Toyicarbon High Thermal Conductivity Carbon Fiber Basic Information

Table 95. Toyicarbon High Thermal Conductivity Carbon Fiber Product Overview

Table 96. Toyicarbon High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 97. Toyicarbon Business Overview

Table 98. Toyicarbon Recent Developments

Table 99. Gaoxitech High Thermal Conductivity Carbon Fiber Basic Information

Table 100. Gaoxitech High Thermal Conductivity Carbon Fiber Product Overview

Table 101. Gaoxitech High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 102. Gaoxitech Business Overview

Table 103. Gaoxitech Recent Developments

Table 104. Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Basic Information

Table 105. Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Product Overview

Table 106. Shenzhen Ringo Tech Material Technology High Thermal Conductivity Carbon Fiber Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 107. Shenzhen Ringo Tech Material Technology Business Overview

Table 108. Shenzhen Ringo Tech Material Technology Recent Developments

Table 109. Global High Thermal Conductivity Carbon Fiber Sales Forecast by Region (2025-2032) & (K MT)

Table 110. Global High Thermal Conductivity Carbon Fiber Market Size Forecast by Region (2025-2032) & (M USD)

Table 111. North America High Thermal Conductivity Carbon Fiber Sales Forecast by Country (2025-2032) & (K MT)

Table 112. North America High Thermal Conductivity Carbon Fiber Market Size Forecast by Country (2025-2032) & (M USD)

Table 113. Europe High Thermal Conductivity Carbon Fiber Sales Forecast by Country (2025-2032) & (K MT)

Table 114. Europe High Thermal Conductivity Carbon Fiber Market Size Forecast by Country (2025-2032) & (M USD)

Table 115. Asia Pacific High Thermal Conductivity Carbon Fiber Sales Forecast by Region (2025-2032) & (K MT)

Table 116. Asia Pacific High Thermal Conductivity Carbon Fiber Market Size Forecast by Region (2025-2032) & (M USD)

Table 117. South America High Thermal Conductivity Carbon Fiber Sales Forecast by Country (2025-2032) & (K MT)

Table 118. South America High Thermal Conductivity Carbon Fiber Market Size Forecast by Country (2025-2032) & (M USD)

Table 119. Middle East and Africa High Thermal Conductivity Carbon Fiber Consumption Forecast by Country (2025-2032) & (Units)

Table 120. Middle East and Africa High Thermal Conductivity Carbon Fiber Market Size Forecast by Country (2025-2032) & (M USD)

Table 121. Global High Thermal Conductivity Carbon Fiber Sales Forecast by Type (2025-2032) & (K MT)

Table 122. Global High Thermal Conductivity Carbon Fiber Market Size Forecast by Type (2025-2032) & (M USD)

Table 123. Global High Thermal Conductivity Carbon Fiber Price Forecast by Type

(2025-2032) & (USD/MT)

Table 124. Global High Thermal Conductivity Carbon Fiber Sales (K MT) Forecast by Application (2025-2032)

Table 125. Global High Thermal Conductivity Carbon Fiber Market Size Forecast by Application (2025-2032) & (M USD)

## List Of Figures

### LIST OF FIGURES

Figure 1. Product Picture of High Thermal Conductivity Carbon Fiber

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global High Thermal Conductivity Carbon Fiber Market Size (M USD), 2019-2032

Figure 5. Global High Thermal Conductivity Carbon Fiber Market Size (M USD) (2019-2032)

Figure 6. Global High Thermal Conductivity Carbon Fiber Sales (K MT) & (2019-2032)

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. High Thermal Conductivity Carbon Fiber Market Size by Country (M USD)

Figure 11. High Thermal Conductivity Carbon Fiber Sales Share by Manufacturers in 2023

Figure 12. Global High Thermal Conductivity Carbon Fiber Revenue Share by Manufacturers in 2023

Figure 13. High Thermal Conductivity Carbon Fiber Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market High Thermal Conductivity Carbon Fiber Average Price (USD/MT) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by High Thermal Conductivity Carbon Fiber Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global High Thermal Conductivity Carbon Fiber Market Share by Type

Figure 18. Sales Market Share of High Thermal Conductivity Carbon Fiber by Type (2019-2024)

Figure 19. Sales Market Share of High Thermal Conductivity Carbon Fiber by Type in 2023

Figure 20. Market Size Share of High Thermal Conductivity Carbon Fiber by Type (2019-2024)

Figure 21. Market Size Market Share of High Thermal Conductivity Carbon Fiber by Type in 2023

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

Figure 23. Global High Thermal Conductivity Carbon Fiber Market Share by Application

Figure 24. Global High Thermal Conductivity Carbon Fiber Sales Market Share by

Application (2019-2024)

Figure 25. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Application in 2023

Figure 26. Global High Thermal Conductivity Carbon Fiber Market Share by Application (2019-2024)

Figure 27. Global High Thermal Conductivity Carbon Fiber Market Share by Application in 2023

Figure 28. Global High Thermal Conductivity Carbon Fiber Sales Growth Rate by Application (2019-2024)

Figure 29. Global High Thermal Conductivity Carbon Fiber Sales Market Share by Region (2019-2024)

Figure 30. North America High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 31. North America High Thermal Conductivity Carbon Fiber Sales Market Share by Country in 2023

Figure 32. U.S. High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 33. Canada High Thermal Conductivity Carbon Fiber Sales (K MT) and Growth Rate (2019-2024)

Figure 34. Mexico High Thermal Conductivity Carbon Fiber Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 36. Europe High Thermal Conductivity Carbon Fiber Sales Market Share by Country in 2023

Figure 37. Germany High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 38. France High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 39. U.K. High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 40. Italy High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 41. Russia High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 42. Asia Pacific High Thermal Conductivity Carbon Fiber Sales and Growth Rate (K MT)

Figure 43. Asia Pacific High Thermal Conductivity Carbon Fiber Sales Market Share by Region in 2023

Figure 44. China High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 45. Japan High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 46. South Korea High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 47. India High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 48. Southeast Asia High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 49. South America High Thermal Conductivity Carbon Fiber Sales and Growth Rate (K MT)

Figure 50. South America High Thermal Conductivity Carbon Fiber Sales Market Share by Country in 2023

Figure 51. Brazil High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 52. Argentina High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 53. Columbia High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 54. Middle East and Africa High Thermal Conductivity Carbon Fiber Sales and Growth Rate (K MT)

Figure 55. Middle East and Africa High Thermal Conductivity Carbon Fiber Sales Market Share by Region in 2023

Figure 56. Saudi Arabia High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 57. UAE High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 58. Egypt High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 59. Nigeria High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 60. South Africa High Thermal Conductivity Carbon Fiber Sales and Growth Rate (2019-2024) & (K MT)

Figure 61. Global High Thermal Conductivity Carbon Fiber Production Market Share by Region (2019-2024)

Figure 62. North America High Thermal Conductivity Carbon Fiber Production (K MT) Growth Rate (2019-2024)

Figure 63. Europe High Thermal Conductivity Carbon Fiber Production (K MT) Growth

Rate (2019-2024)

Figure 64. Japan High Thermal Conductivity Carbon Fiber Production (K MT) Growth Rate (2019-2024)

Figure 65. China High Thermal Conductivity Carbon Fiber Production (K MT) Growth Rate (2019-2024)

Figure 66. Global High Thermal Conductivity Carbon Fiber Sales Forecast by Volume (2019-2032) & (K MT)

Figure 67. Global High Thermal Conductivity Carbon Fiber Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global High Thermal Conductivity Carbon Fiber Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global High Thermal Conductivity Carbon Fiber Market Share Forecast by Type (2025-2032)

Figure 70. Global High Thermal Conductivity Carbon Fiber Sales Forecast by Application (2025-2032)

Figure 71. Global High Thermal Conductivity Carbon Fiber Market Share Forecast by Application (2025-2032)

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