

Hard Carbon Material Industry Research Report 2023

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Abstracts

Hard carbon is a solid form of carbon that cannot be converted to graphite by heat-treatment, even at temperatures as high as 3000°C. It is also known as char, or non-graphitizing carbon. More colloquially it can be described as charcoal. Hard carbon is produced by heating carbonaceous precursors to approximately 1000°C in the absence of oxygen. Among the precursors for hard carbon are polyvinylidene chloride (PVDC), lignin and sucrose. Other precursors, such as polyvinyl chloride (PVC) and petroleum coke, produce soft carbon, or graphitizing carbon. Soft carbon can be readily converted to graphite by heating to 3000°C.

Highlights

The global Hard Carbon Material market is projected to reach US\$ million by 2028 from an estimated US\$ million in 2022, at a CAGR of % during 2024 and 2029.

The major companies in global Hard Carbon Material market are Kuraray, JFE-Chem, Showa Denko, etc. The production areas of this product are mainly China and Japan.

Based on the type, this product is split into Coal Tar Source, Natural Plant Source, etc. And in terms of application, there are Power Battery, Digital Battery, Energy Storage Battery.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Hard Carbon Material, 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 Hard Carbon Material.

The Hard Carbon Material market size, estimations, and forecasts are provided in terms of output/shipments (MT) and revenue (\$ millions), considering 2022 as the base year, with history and forecast data for the period from 2018 to 2029. This report segments the global Hard Carbon Material market comprehensively. Regional market sizes, concerning products by types, by application, and by players, are also provided. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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.

The report will help the Hard Carbon Material manufacturers, new entrants, and industry chain related companies in this market with information on the revenues, production, and average price for the overall market and the sub-segments across the different segments, by company, product type, application, and regions.

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 2017-2022. 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:

Kuraray

JFE-Chem

Showa Denko

Szsinuo

Bcdbattery

Product Type Insights

Global markets are presented by Hard Carbon Material source, along with growth forecasts through 2029. Estimates on production and value are based on the price in the supply chain at which the Hard Carbon Material are procured by the manufacturers.

This report has studied every segment and provided the market size using historical data. They have also talked about the growth opportunities that the segment may pose in the future. This study bestows production and revenue data by type, and during the historical period (2018-2023) and forecast period (2024-2029).

Hard Carbon Material segment by Source

Coal Tar Source

Natural Plant Source

Resin Source

Others

Application Insights

This report has provided the market size (production and revenue data) by application, during the historical period (2018-2023) and forecast period (2024-2029).

This report also outlines the market trends of each segment and consumer behaviors impacting the Hard Carbon Material market and what implications these may have on the industry's future. This report can help to understand the relevant market and consumer trends that are driving the Hard Carbon Material market.

Hard Carbon Material segment by Application

Power Battery

Digital Battery

Energy Storage Battery

Regional Outlook

This section of the report provides key insights regarding various regions and the key players operating in each region. Economic, social, environmental, technological, and political factors have been taken into consideration while assessing the growth of the particular region/country. The readers will also get their hands on the revenue and sales data of each region and country for the period 2018-2029.

The market has been segmented into various major geographies, including North America, Europe, Asia-Pacific, South America. Detailed analysis of major countries such as the USA, Germany, the U.K., Italy, France, China, Japan, South Korea, Southeast Asia, and India will be covered within the regional segment. For market estimates, data are going to be provided for 2022 because of the base year, with estimates for 2023 and forecast value for 2029.

North America

United States

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

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.

COVID-19 and Russia-Ukraine War Influence Analysis

The readers in the section will understand how the Hard Carbon Material market

scenario changed across the globe during the pandemic, post-pandemic and Russia-Ukraine War. The study is done keeping in view the changes in aspects such as demand, consumption, transportation, consumer behavior, supply chain management, export and import, and production. The industry experts have also highlighted the key factors that will help create opportunities for players and stabilize the overall industry in the years to come.

Reasons to Buy This Report

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 Hard Carbon Material 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.

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

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.

This report stays updated with novel technology integration, features, and the latest developments in the market

This report helps stakeholders to understand the COVID-19 and Russia-Ukraine War Influence on the Hard Carbon Material industry.

This report helps stakeholders to gain insights into which regions to target globally

This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Hard Carbon Material.

This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Core Chapters

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 Hard Carbon Material 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 Hard Carbon Material 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 Hard Carbon Material 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 source, 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.

Frequently Asked Questions

Which product segment grabbed the largest share in the Product Name market?

How is the competitive scenario of the Product Name market?

Which are the key factors aiding the Product Name market growth?

Which are the prominent players in the Product Name market?

Which region holds the maximum share in the Product Name market?

What will be the CAGR of the Product Name market during the forecast period?

Which application segment emerged as the leading segment in the Product Name market?

What key trends are likely to emerge in the Product Name market in the coming years?

What will be the Product Name market size by 2028?

Which company held the largest share in the Product Name market?

Contents

LIST OF TABLES

Table 1. Secondary Sources

Table 2. Primary Sources

Table 3. Market Value Comparison by Source (2018 VS 2022 VS 2029) & (US\$ Million)

Table 4. Market Value Comparison by Application (2018 VS 2022 VS 2029) & (US\$ Million)

Table 5. Global Hard Carbon Material Production by Manufacturers (MT) & (2018-2023)

Table 6. Global Hard Carbon Material Production Market Share by Manufacturers

Table 7. Global Hard Carbon Material Production Value by Manufacturers (US\$ Million) & (2018-2023)

Table 8. Global Hard Carbon Material Production Value Market Share by Manufacturers (2018-2023)

Table 9. Global Hard Carbon Material Average Price (US\$/Ton) of Key Manufacturers (2018-2023)

Table 10. Global Hard Carbon Material Industry Manufacturers Ranking, 2021 VS 2022 VS 2023

Table 11. Global Hard Carbon Material Manufacturers, Product Type & Application

Table 12. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 13. Global Hard Carbon Material by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2022)

Table 14. Manufacturers Mergers & Acquisitions, Expansion Plans)

Table 15. Kuraray Hard Carbon Material Company Information

Table 16. Kuraray Business Overview

Table 17. Kuraray Hard Carbon Material Production (MT), Value (US\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 18. Kuraray Product Portfolio

Table 19. Kuraray Recent Developments

Table 20. JFE-Chem Hard Carbon Material Company Information

Table 21. JFE-Chem Business Overview

Table 22. JFE-Chem Hard Carbon Material Production (MT), Value (US\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 23. JFE-Chem Product Portfolio

Table 24. JFE-Chem Recent Developments

Table 25. Showa Denko Hard Carbon Material Company Information

Table 26. Showa Denko Business Overview

Table 27. Showa Denko Hard Carbon Material Production (MT), Value (US\$ Million),

Price (US\$/Ton) and Gross Margin (2018-2023)

Table 28. Showa Denko Product Portfolio

Table 29. Showa Denko Recent Developments

Table 30. Szsino Hard Carbon Material Company Information

Table 31. Szsino Business Overview

Table 32. Szsino Hard Carbon Material Production (MT), Value (US\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 33. Szsino Product Portfolio

Table 34. Szsino Recent Developments

Table 35. Bcdbattery Hard Carbon Material Company Information

Table 36. Bcdbattery Business Overview

Table 37. Bcdbattery Hard Carbon Material Production (MT), Value (US\$ Million), Price (US\$/Ton) and Gross Margin (2018-2023)

Table 38. Bcdbattery Product Portfolio

Table 39. Bcdbattery Recent Developments

Table 40. Global Hard Carbon Material Production Comparison by Region: 2018 VS 2022 VS 2029 (MT)

Table 41. Global Hard Carbon Material Production by Region (2018-2023) & (MT)

Table 42. Global Hard Carbon Material Production Market Share by Region (2018-2023)

Table 43. Global Hard Carbon Material Production Forecast by Region (2024-2029) & (MT)

Table 44. Global Hard Carbon Material Production Market Share Forecast by Region (2024-2029)

Table 45. Global Hard Carbon Material Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)

Table 46. Global Hard Carbon Material Production Value by Region (2018-2023) & (US\$ Million)

Table 47. Global Hard Carbon Material Production Value Market Share by Region (2018-2023)

Table 48. Global Hard Carbon Material Production Value Forecast by Region (2024-2029) & (US\$ Million)

Table 49. Global Hard Carbon Material Production Value Market Share Forecast by Region (2024-2029)

Table 50. Global Hard Carbon Material Market Average Price (US\$/Ton) by Region (2018-2023)

Table 51. Global Hard Carbon Material Consumption Comparison by Region: 2018 VS 2022 VS 2029 (MT)

Table 52. Global Hard Carbon Material Consumption by Region (2018-2023) & (MT)

Table 53. Global Hard Carbon Material Consumption Market Share by Region (2018-2023)

Table 54. Global Hard Carbon Material Forecasted Consumption by Region (2024-2029) & (MT)

Table 55. Global Hard Carbon Material Forecasted Consumption Market Share by Region (2024-2029)

Table 56. North America Hard Carbon Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 57. North America Hard Carbon Material Consumption by Country (2018-2023) & (MT)

Table 58. North America Hard Carbon Material Consumption by Country (2024-2029) & (MT)

Table 59. Europe Hard Carbon Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 60. Europe Hard Carbon Material Consumption by Country (2018-2023) & (MT)

Table 61. Europe Hard Carbon Material Consumption by Country (2024-2029) & (MT)

Table 62. Asia Pacific Hard Carbon Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 63. Asia Pacific Hard Carbon Material Consumption by Country (2018-2023) & (MT)

Table 64. Asia Pacific Hard Carbon Material Consumption by Country (2024-2029) & (MT)

Table 65. Latin America, Middle East & Africa Hard Carbon Material Consumption Growth Rate by Country: 2018 VS 2022 VS 2029 (MT)

Table 66. Latin America, Middle East & Africa Hard Carbon Material Consumption by Country (2018-2023) & (MT)

Table 67. Latin America, Middle East & Africa Hard Carbon Material Consumption by Country (2024-2029) & (MT)

Table 68. Global Hard Carbon Material Production by Source (2018-2023) & (MT)

Table 69. Global Hard Carbon Material Production by Source (2024-2029) & (MT)

Table 70. Global Hard Carbon Material Production Market Share by Source (2018-2023)

Table 71. Global Hard Carbon Material Production Market Share by Source (2024-2029)

Table 72. Global Hard Carbon Material Production Value by Source (2018-2023) & (US\$ Million)

Table 73. Global Hard Carbon Material Production Value by Source (2024-2029) & (US\$ Million)

Table 74. Global Hard Carbon Material Production Value Market Share by Source

(2018-2023)

Table 75. Global Hard Carbon Material Production Value Market Share by Source (2024-2029)

Table 76. Global Hard Carbon Material Price by Source (2018-2023) & (US\$/Ton)

Table 77. Global Hard Carbon Material Price by Source (2024-2029) & (US\$/Ton)

Table 78. Global Hard Carbon Material Production by Application (2018-2023) & (MT)

Table 79. Global Hard Carbon Material Production by Application (2024-2029) & (MT)

Table 80. Global Hard Carbon Material Production Market Share by Application (2018-2023)

Table 81. Global Hard Carbon Material Production Market Share by Application (2024-2029)

Table 82. Global Hard Carbon Material Production Value by Application (2018-2023) & (US\$ Million)

Table 83. Global Hard Carbon Material Production Value by Application (2024-2029) & (US\$ Million)

Table 84. Global Hard Carbon Material Production Value Market Share by Application (2018-2023)

Table 85. Global Hard Carbon Material Production Value Market Share by Application (2024-2029)

Table 86. Global Hard Carbon Material Price by Application (2018-2023) & (US\$/Ton)

Table 87. Global Hard Carbon Material Price by Application (2024-2029) & (US\$/Ton)

Table 88. Key Raw Materials

Table 89. Raw Materials Key Suppliers

Table 90. Hard Carbon Material Distributors List

Table 91. Hard Carbon Material Customers List

Table 92. Hard Carbon Material Industry Trends

Table 93. Hard Carbon Material Industry Drivers

Table 94. Hard Carbon Material Industry Restraints

Table 95. Authors 12. List of This Report

List Of Figures

LIST OF FIGURES

- Figure 1. Research Methodology
- Figure 2. Research Process
- Figure 3. Key Executives Interviewed
- Figure 4. Hard Carbon Material Product Picture
- Figure 5. Market Value Comparison by Source (2018 VS 2022 VS 2029) & (US\$ Million)
- Figure 6. Coal Tar Source Product Picture
- Figure 7. Natural Plant Source Product Picture
- Figure 8. Resin Source Product Picture
- Figure 9. Others Product Picture
- Figure 10. Power Battery Product Picture
- Figure 11. Digital Battery Product Picture
- Figure 12. Energy Storage Battery Product Picture
- Figure 13. Global Hard Carbon Material Production Value (US\$ Million), 2018 VS 2022 VS 2029
- Figure 14. Global Hard Carbon Material Production Value (2018-2029) & (US\$ Million)
- Figure 15. Global Hard Carbon Material Production Capacity (2018-2029) & (MT)
- Figure 16. Global Hard Carbon Material Production (2018-2029) & (MT)
- Figure 17. Global Hard Carbon Material Average Price (US\$/Ton) & (2018-2029)
- Figure 18. Global Hard Carbon Material Key Manufacturers, Manufacturing Sites & Headquarters
- Figure 19. Global Hard Carbon Material Manufacturers, Date of Enter into This Industry
- Figure 20. Global Top 5 and 10 Hard Carbon Material Players Market Share by Production Value in 2022
- Figure 21. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2018 VS 2022
- Figure 22. Global Hard Carbon Material Production Comparison by Region: 2018 VS 2022 VS 2029 (MT)
- Figure 23. Global Hard Carbon Material Production Market Share by Region: 2018 VS 2022 VS 2029
- Figure 24. Global Hard Carbon Material Production Value Comparison by Region: 2018 VS 2022 VS 2029 (US\$ Million)
- Figure 25. Global Hard Carbon Material Production Value Market Share by Region: 2018 VS 2022 VS 2029
- Figure 26. North America Hard Carbon Material Production Value (US\$ Million) Growth Rate (2018-2029)
- Figure 27. Europe Hard Carbon Material Production Value (US\$ Million) Growth Rate

(2018-2029)

Figure 28. China Hard Carbon Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 29. Japan Hard Carbon Material Production Value (US\$ Million) Growth Rate (2018-2029)

Figure 30. Global Hard Carbon Material Consumption Comparison by Region: 2018 VS 2022 VS 2029 (MT)

Figure 31. Global Hard Carbon Material Consumption Market Share by Region: 2018 VS 2022 VS 2029

Figure 32. North America Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 33. North America Hard Carbon Material Consumption Market Share by Country (2018-2029)

Figure 34. United States Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 35. Canada Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 36. Europe Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 37. Europe Hard Carbon Material Consumption Market Share by Country (2018-2029)

Figure 38. Germany Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 39. France Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 40. U.K. Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 41. Italy Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 42. Netherlands Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 43. Asia Pacific Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 44. Asia Pacific Hard Carbon Material Consumption Market Share by Country (2018-2029)

Figure 45. China Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

Figure 46. Japan Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)

- Figure 47. South Korea Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 48. China Taiwan Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 49. Southeast Asia Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 50. India Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 51. Australia Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 52. Latin America, Middle East & Africa Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 53. Latin America, Middle East & Africa Hard Carbon Material Consumption Market Share by Country (2018-2029)
- Figure 54. Mexico Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 55. Brazil Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 56. Turkey Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 57. GCC Countries Hard Carbon Material Consumption and Growth Rate (2018-2029) & (MT)
- Figure 58. Global Hard Carbon Material Production Market Share by Source (2018-2029)
- Figure 59. Global Hard Carbon Material Production Value Market Share by Source (2018-2029)
- Figure 60. Global Hard Carbon Material Price (US\$/Ton) by Source (2018-2029)
- Figure 61. Global Hard Carbon Material Production Market Share by Application (2018-2029)
- Figure 62. Global Hard Carbon Material Production Value Market Share by Application (2018-2029)
- Figure 63. Global Hard Carbon Material Price (US\$/Ton) by Application (2018-2029)
- Figure 64. Hard Carbon Material Value Chain
- Figure 65. Hard Carbon Material Production Mode & Process
- Figure 66. Direct Comparison with Distribution Share
- Figure 67. Distributors Profiles
- Figure 68. Hard Carbon Material Industry Opportunities and Challenges

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