

Global Hard Carbon Material Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G82E2237F1DEEN.html>

Date: February 2023

Pages: 112

Price: US\$ 4,480.00 (Single User License)

ID: G82E2237F1DEEN

Abstracts

The global Hard Carbon Material market size is expected to reach \$ 3651.5 million by 2029, rising at a market growth of 67.9% CAGR during the forecast period (2023-2029).

Global key players of hard carbon material include Kuraray, HiNa Battery Technology, Best Graphite, Shengquan Group, Sumitomo, etc. The top five players hold a share about 99%. China is the largest market, has a share about 67%, followed by North America and Japan, with share 25% and 4%, separately.

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.

This report studies the global Hard Carbon Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Hard Carbon Material, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Hard Carbon Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Hard Carbon Material total production and demand, 2018-2029, (MT)

Global Hard Carbon Material total production value, 2018-2029, (USD Million)

Global Hard Carbon Material production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Hard Carbon Material consumption by region & country, CAGR, 2018-2029 & (MT)

U.S. VS China: Hard Carbon Material domestic production, consumption, key domestic manufacturers and share

Global Hard Carbon Material production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MT)

Global Hard Carbon Material production by Type, production, value, CAGR, 2018-2029, (USD Million) & (MT)

Global Hard Carbon Material production by Application production, value, CAGR, 2018-2029, (USD Million) & (MT)

This reports profiles key players in the global Hard Carbon Material market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kuraray, JFE Chemical, Kureha, Sumitomo, Stora Enso, Indigenous Energy, Shengquan Group, HiNa Battery Technology and Best Graphite, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Hard Carbon Material market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Hard Carbon Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Hard Carbon Material Market, Segmentation by Type

Bio-based

Petroleum-based

Polymer Resin

Global Hard Carbon Material Market, Segmentation by Application

Li-ion Battery

Na-ion Battery

Companies Profiled:

Kuraray

JFE Chemical

Kureha

Sumitomo

Stora Enso

Indigenous Energy

Shengquan Group

HiNa Battery Technology

Best Graphite

BRT

Shanshan

Xiangfenghua

Putailai

Jiangxi Zeto

Key Questions Answered

1. How big is the global Hard Carbon Material market?
2. What is the demand of the global Hard Carbon Material market?

3. What is the year over year growth of the global Hard Carbon Material market?
4. What is the production and production value of the global Hard Carbon Material market?
5. Who are the key producers in the global Hard Carbon Material market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Hard Carbon Material Introduction
- 1.2 World Hard Carbon Material Supply & Forecast
 - 1.2.1 World Hard Carbon Material Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Hard Carbon Material Production (2018-2029)
 - 1.2.3 World Hard Carbon Material Pricing Trends (2018-2029)
- 1.3 World Hard Carbon Material Production by Region (Based on Production Site)
 - 1.3.1 World Hard Carbon Material Production Value by Region (2018-2029)
 - 1.3.2 World Hard Carbon Material Production by Region (2018-2029)
 - 1.3.3 World Hard Carbon Material Average Price by Region (2018-2029)
 - 1.3.4 Europe Hard Carbon Material Production (2018-2029)
 - 1.3.5 China Hard Carbon Material Production (2018-2029)
 - 1.3.6 Japan Hard Carbon Material Production (2018-2029)
 - 1.3.7 India Hard Carbon Material Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Hard Carbon Material Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Hard Carbon Material Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Hard Carbon Material Demand (2018-2029)
- 2.2 World Hard Carbon Material Consumption by Region
 - 2.2.1 World Hard Carbon Material Consumption by Region (2018-2023)
 - 2.2.2 World Hard Carbon Material Consumption Forecast by Region (2024-2029)
- 2.3 United States Hard Carbon Material Consumption (2018-2029)
- 2.4 China Hard Carbon Material Consumption (2018-2029)
- 2.5 Europe Hard Carbon Material Consumption (2018-2029)
- 2.6 Japan Hard Carbon Material Consumption (2018-2029)
- 2.7 South Korea Hard Carbon Material Consumption (2018-2029)
- 2.8 ASEAN Hard Carbon Material Consumption (2018-2029)
- 2.9 India Hard Carbon Material Consumption (2018-2029)

3 WORLD HARD CARBON MATERIAL MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Hard Carbon Material Production Value by Manufacturer (2018-2023)
- 3.2 World Hard Carbon Material Production by Manufacturer (2018-2023)
- 3.3 World Hard Carbon Material Average Price by Manufacturer (2018-2023)
- 3.4 Hard Carbon Material Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Hard Carbon Material Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Hard Carbon Material in 2022
 - 3.5.3 Global Concentration Ratios (CR8) for Hard Carbon Material in 2022
- 3.6 Hard Carbon Material Market: Overall Company Footprint Analysis
 - 3.6.1 Hard Carbon Material Market: Region Footprint
 - 3.6.2 Hard Carbon Material Market: Company Product Type Footprint
 - 3.6.3 Hard Carbon Material Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Hard Carbon Material Production Value Comparison
 - 4.1.1 United States VS China: Hard Carbon Material Production Value Comparison (2018 & 2022 & 2029)
 - 4.1.2 United States VS China: Hard Carbon Material Production Value Market Share Comparison (2018 & 2022 & 2029)
- 4.2 United States VS China: Hard Carbon Material Production Comparison
 - 4.2.1 United States VS China: Hard Carbon Material Production Comparison (2018 & 2022 & 2029)
 - 4.2.2 United States VS China: Hard Carbon Material Production Market Share Comparison (2018 & 2022 & 2029)
- 4.3 United States VS China: Hard Carbon Material Consumption Comparison
 - 4.3.1 United States VS China: Hard Carbon Material Consumption Comparison (2018 & 2022 & 2029)
 - 4.3.2 United States VS China: Hard Carbon Material Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Hard Carbon Material Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Hard Carbon Material Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Hard Carbon Material Production Value (2018-2023)

4.4.3 United States Based Manufacturers Hard Carbon Material Production (2018-2023)

4.5 China Based Hard Carbon Material Manufacturers and Market Share

4.5.1 China Based Hard Carbon Material Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Hard Carbon Material Production Value (2018-2023)

4.5.3 China Based Manufacturers Hard Carbon Material Production (2018-2023)

4.6 Rest of World Based Hard Carbon Material Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Hard Carbon Material Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Hard Carbon Material Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Hard Carbon Material Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Hard Carbon Material Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Bio-based

5.2.2 Petroleum-based

5.2.3 Polymer Resin

5.3 Market Segment by Type

5.3.1 World Hard Carbon Material Production by Type (2018-2029)

5.3.2 World Hard Carbon Material Production Value by Type (2018-2029)

5.3.3 World Hard Carbon Material Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Hard Carbon Material Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Li-ion Battery

6.2.2 Na-ion Battery

6.3 Market Segment by Application

6.3.1 World Hard Carbon Material Production by Application (2018-2029)

6.3.2 World Hard Carbon Material Production Value by Application (2018-2029)

6.3.3 World Hard Carbon Material Average Price by Application (2018-2029)

7 COMPANY PROFILES

7.1 Kuraray

7.1.1 Kuraray Details

7.1.2 Kuraray Major Business

7.1.3 Kuraray Hard Carbon Material Product and Services

7.1.4 Kuraray Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Kuraray Recent Developments/Updates

7.1.6 Kuraray Competitive Strengths & Weaknesses

7.2 JFE Chemical

7.2.1 JFE Chemical Details

7.2.2 JFE Chemical Major Business

7.2.3 JFE Chemical Hard Carbon Material Product and Services

7.2.4 JFE Chemical Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 JFE Chemical Recent Developments/Updates

7.2.6 JFE Chemical Competitive Strengths & Weaknesses

7.3 Kureha

7.3.1 Kureha Details

7.3.2 Kureha Major Business

7.3.3 Kureha Hard Carbon Material Product and Services

7.3.4 Kureha Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Kureha Recent Developments/Updates

7.3.6 Kureha Competitive Strengths & Weaknesses

7.4 Sumitomo

7.4.1 Sumitomo Details

7.4.2 Sumitomo Major Business

7.4.3 Sumitomo Hard Carbon Material Product and Services

7.4.4 Sumitomo Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

- 7.4.5 Sumitomo Recent Developments/Updates
- 7.4.6 Sumitomo Competitive Strengths & Weaknesses
- 7.5 Stora Enso
 - 7.5.1 Stora Enso Details
 - 7.5.2 Stora Enso Major Business
 - 7.5.3 Stora Enso Hard Carbon Material Product and Services
 - 7.5.4 Stora Enso Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.5.5 Stora Enso Recent Developments/Updates
 - 7.5.6 Stora Enso Competitive Strengths & Weaknesses
- 7.6 Indigenous Energy
 - 7.6.1 Indigenous Energy Details
 - 7.6.2 Indigenous Energy Major Business
 - 7.6.3 Indigenous Energy Hard Carbon Material Product and Services
 - 7.6.4 Indigenous Energy Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.6.5 Indigenous Energy Recent Developments/Updates
 - 7.6.6 Indigenous Energy Competitive Strengths & Weaknesses
- 7.7 Shengquan Group
 - 7.7.1 Shengquan Group Details
 - 7.7.2 Shengquan Group Major Business
 - 7.7.3 Shengquan Group Hard Carbon Material Product and Services
 - 7.7.4 Shengquan Group Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.7.5 Shengquan Group Recent Developments/Updates
 - 7.7.6 Shengquan Group Competitive Strengths & Weaknesses
- 7.8 HiNa Battery Technology
 - 7.8.1 HiNa Battery Technology Details
 - 7.8.2 HiNa Battery Technology Major Business
 - 7.8.3 HiNa Battery Technology Hard Carbon Material Product and Services
 - 7.8.4 HiNa Battery Technology Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)
 - 7.8.5 HiNa Battery Technology Recent Developments/Updates
 - 7.8.6 HiNa Battery Technology Competitive Strengths & Weaknesses
- 7.9 Best Graphite
 - 7.9.1 Best Graphite Details
 - 7.9.2 Best Graphite Major Business
 - 7.9.3 Best Graphite Hard Carbon Material Product and Services
 - 7.9.4 Best Graphite Hard Carbon Material Production, Price, Value, Gross Margin and

Market Share (2018-2023)

7.9.5 Best Graphite Recent Developments/Updates

7.9.6 Best Graphite Competitive Strengths & Weaknesses

7.10 BRT

7.10.1 BRT Details

7.10.2 BRT Major Business

7.10.3 BRT Hard Carbon Material Product and Services

7.10.4 BRT Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.10.5 BRT Recent Developments/Updates

7.10.6 BRT Competitive Strengths & Weaknesses

7.11 Shanshan

7.11.1 Shanshan Details

7.11.2 Shanshan Major Business

7.11.3 Shanshan Hard Carbon Material Product and Services

7.11.4 Shanshan Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.11.5 Shanshan Recent Developments/Updates

7.11.6 Shanshan Competitive Strengths & Weaknesses

7.12 Xiangfenghua

7.12.1 Xiangfenghua Details

7.12.2 Xiangfenghua Major Business

7.12.3 Xiangfenghua Hard Carbon Material Product and Services

7.12.4 Xiangfenghua Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.12.5 Xiangfenghua Recent Developments/Updates

7.12.6 Xiangfenghua Competitive Strengths & Weaknesses

7.13 Putailai

7.13.1 Putailai Details

7.13.2 Putailai Major Business

7.13.3 Putailai Hard Carbon Material Product and Services

7.13.4 Putailai Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.13.5 Putailai Recent Developments/Updates

7.13.6 Putailai Competitive Strengths & Weaknesses

7.14 Jiangxi Zeto

7.14.1 Jiangxi Zeto Details

7.14.2 Jiangxi Zeto Major Business

7.14.3 Jiangxi Zeto Hard Carbon Material Product and Services

7.14.4 Jiangxi Zeto Hard Carbon Material Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.14.5 Jiangxi Zeto Recent Developments/Updates

7.14.6 Jiangxi Zeto Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Hard Carbon Material Industry Chain

8.2 Hard Carbon Material Upstream Analysis

8.2.1 Hard Carbon Material Core Raw Materials

8.2.2 Main Manufacturers of Hard Carbon Material Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Hard Carbon Material Production Mode

8.6 Hard Carbon Material Procurement Model

8.7 Hard Carbon Material Industry Sales Model and Sales Channels

8.7.1 Hard Carbon Material Sales Model

8.7.2 Hard Carbon Material Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Hard Carbon Material Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Hard Carbon Material Production Value by Region (2018-2023) & (USD Million)

Table 3. World Hard Carbon Material Production Value by Region (2024-2029) & (USD Million)

Table 4. World Hard Carbon Material Production Value Market Share by Region (2018-2023)

Table 5. World Hard Carbon Material Production Value Market Share by Region (2024-2029)

Table 6. World Hard Carbon Material Production by Region (2018-2023) & (MT)

Table 7. World Hard Carbon Material Production by Region (2024-2029) & (MT)

Table 8. World Hard Carbon Material Production Market Share by Region (2018-2023)

Table 9. World Hard Carbon Material Production Market Share by Region (2024-2029)

Table 10. World Hard Carbon Material Average Price by Region (2018-2023) & (USD/Kg)

Table 11. World Hard Carbon Material Average Price by Region (2024-2029) & (USD/Kg)

Table 12. Hard Carbon Material Major Market Trends

Table 13. World Hard Carbon Material Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (MT)

Table 14. World Hard Carbon Material Consumption by Region (2018-2023) & (MT)

Table 15. World Hard Carbon Material Consumption Forecast by Region (2024-2029) & (MT)

Table 16. World Hard Carbon Material Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Hard Carbon Material Producers in 2022

Table 18. World Hard Carbon Material Production by Manufacturer (2018-2023) & (MT)

Table 19. Production Market Share of Key Hard Carbon Material Producers in 2022

Table 20. World Hard Carbon Material Average Price by Manufacturer (2018-2023) & (USD/Kg)

Table 21. Global Hard Carbon Material Company Evaluation Quadrant

Table 22. World Hard Carbon Material Industry Rank of Major Manufacturers, Based on Production Value in 2022

- Table 23. Head Office and Hard Carbon Material Production Site of Key Manufacturer
- Table 24. Hard Carbon Material Market: Company Product Type Footprint
- Table 25. Hard Carbon Material Market: Company Product Application Footprint
- Table 26. Hard Carbon Material Competitive Factors
- Table 27. Hard Carbon Material New Entrant and Capacity Expansion Plans
- Table 28. Hard Carbon Material Mergers & Acquisitions Activity
- Table 29. United States VS China Hard Carbon Material Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)
- Table 30. United States VS China Hard Carbon Material Production Comparison, (2018 & 2022 & 2029) & (MT)
- Table 31. United States VS China Hard Carbon Material Consumption Comparison, (2018 & 2022 & 2029) & (MT)
- Table 32. United States Based Hard Carbon Material Manufacturers, Headquarters and Production Site (States, Country)
- Table 33. United States Based Manufacturers Hard Carbon Material Production Value, (2018-2023) & (USD Million)
- Table 34. United States Based Manufacturers Hard Carbon Material Production Value Market Share (2018-2023)
- Table 35. United States Based Manufacturers Hard Carbon Material Production (2018-2023) & (MT)
- Table 36. United States Based Manufacturers Hard Carbon Material Production Market Share (2018-2023)
- Table 37. China Based Hard Carbon Material Manufacturers, Headquarters and Production Site (Province, Country)
- Table 38. China Based Manufacturers Hard Carbon Material Production Value, (2018-2023) & (USD Million)
- Table 39. China Based Manufacturers Hard Carbon Material Production Value Market Share (2018-2023)
- Table 40. China Based Manufacturers Hard Carbon Material Production (2018-2023) & (MT)
- Table 41. China Based Manufacturers Hard Carbon Material Production Market Share (2018-2023)
- Table 42. Rest of World Based Hard Carbon Material Manufacturers, Headquarters and Production Site (States, Country)
- Table 43. Rest of World Based Manufacturers Hard Carbon Material Production Value, (2018-2023) & (USD Million)
- Table 44. Rest of World Based Manufacturers Hard Carbon Material Production Value Market Share (2018-2023)
- Table 45. Rest of World Based Manufacturers Hard Carbon Material Production

(2018-2023) & (MT)

Table 46. Rest of World Based Manufacturers Hard Carbon Material Production Market Share (2018-2023)

Table 47. World Hard Carbon Material Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Hard Carbon Material Production by Type (2018-2023) & (MT)

Table 49. World Hard Carbon Material Production by Type (2024-2029) & (MT)

Table 50. World Hard Carbon Material Production Value by Type (2018-2023) & (USD Million)

Table 51. World Hard Carbon Material Production Value by Type (2024-2029) & (USD Million)

Table 52. World Hard Carbon Material Average Price by Type (2018-2023) & (USD/Kg)

Table 53. World Hard Carbon Material Average Price by Type (2024-2029) & (USD/Kg)

Table 54. World Hard Carbon Material Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Hard Carbon Material Production by Application (2018-2023) & (MT)

Table 56. World Hard Carbon Material Production by Application (2024-2029) & (MT)

Table 57. World Hard Carbon Material Production Value by Application (2018-2023) & (USD Million)

Table 58. World Hard Carbon Material Production Value by Application (2024-2029) & (USD Million)

Table 59. World Hard Carbon Material Average Price by Application (2018-2023) & (USD/Kg)

Table 60. World Hard Carbon Material Average Price by Application (2024-2029) & (USD/Kg)

Table 61. Kuraray Basic Information, Manufacturing Base and Competitors

Table 62. Kuraray Major Business

Table 63. Kuraray Hard Carbon Material Product and Services

Table 64. Kuraray Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Kuraray Recent Developments/Updates

Table 66. Kuraray Competitive Strengths & Weaknesses

Table 67. JFE Chemical Basic Information, Manufacturing Base and Competitors

Table 68. JFE Chemical Major Business

Table 69. JFE Chemical Hard Carbon Material Product and Services

Table 70. JFE Chemical Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. JFE Chemical Recent Developments/Updates

Table 72. JFE Chemical Competitive Strengths & Weaknesses

- Table 73. Kureha Basic Information, Manufacturing Base and Competitors
- Table 74. Kureha Major Business
- Table 75. Kureha Hard Carbon Material Product and Services
- Table 76. Kureha Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 77. Kureha Recent Developments/Updates
- Table 78. Kureha Competitive Strengths & Weaknesses
- Table 79. Sumitomo Basic Information, Manufacturing Base and Competitors
- Table 80. Sumitomo Major Business
- Table 81. Sumitomo Hard Carbon Material Product and Services
- Table 82. Sumitomo Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 83. Sumitomo Recent Developments/Updates
- Table 84. Sumitomo Competitive Strengths & Weaknesses
- Table 85. Stora Enso Basic Information, Manufacturing Base and Competitors
- Table 86. Stora Enso Major Business
- Table 87. Stora Enso Hard Carbon Material Product and Services
- Table 88. Stora Enso Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 89. Stora Enso Recent Developments/Updates
- Table 90. Stora Enso Competitive Strengths & Weaknesses
- Table 91. Indigenous Energy Basic Information, Manufacturing Base and Competitors
- Table 92. Indigenous Energy Major Business
- Table 93. Indigenous Energy Hard Carbon Material Product and Services
- Table 94. Indigenous Energy Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 95. Indigenous Energy Recent Developments/Updates
- Table 96. Indigenous Energy Competitive Strengths & Weaknesses
- Table 97. Shengquan Group Basic Information, Manufacturing Base and Competitors
- Table 98. Shengquan Group Major Business
- Table 99. Shengquan Group Hard Carbon Material Product and Services
- Table 100. Shengquan Group Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 101. Shengquan Group Recent Developments/Updates
- Table 102. Shengquan Group Competitive Strengths & Weaknesses
- Table 103. HiNa Battery Technology Basic Information, Manufacturing Base and Competitors
- Table 104. HiNa Battery Technology Major Business
- Table 105. HiNa Battery Technology Hard Carbon Material Product and Services

Table 106. HiNa Battery Technology Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. HiNa Battery Technology Recent Developments/Updates

Table 108. HiNa Battery Technology Competitive Strengths & Weaknesses

Table 109. Best Graphite Basic Information, Manufacturing Base and Competitors

Table 110. Best Graphite Major Business

Table 111. Best Graphite Hard Carbon Material Product and Services

Table 112. Best Graphite Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 113. Best Graphite Recent Developments/Updates

Table 114. Best Graphite Competitive Strengths & Weaknesses

Table 115. BRT Basic Information, Manufacturing Base and Competitors

Table 116. BRT Major Business

Table 117. BRT Hard Carbon Material Product and Services

Table 118. BRT Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 119. BRT Recent Developments/Updates

Table 120. BRT Competitive Strengths & Weaknesses

Table 121. Shanshan Basic Information, Manufacturing Base and Competitors

Table 122. Shanshan Major Business

Table 123. Shanshan Hard Carbon Material Product and Services

Table 124. Shanshan Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 125. Shanshan Recent Developments/Updates

Table 126. Shanshan Competitive Strengths & Weaknesses

Table 127. Xiangfenghua Basic Information, Manufacturing Base and Competitors

Table 128. Xiangfenghua Major Business

Table 129. Xiangfenghua Hard Carbon Material Product and Services

Table 130. Xiangfenghua Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 131. Xiangfenghua Recent Developments/Updates

Table 132. Xiangfenghua Competitive Strengths & Weaknesses

Table 133. Putailai Basic Information, Manufacturing Base and Competitors

Table 134. Putailai Major Business

Table 135. Putailai Hard Carbon Material Product and Services

Table 136. Putailai Hard Carbon Material Production (MT), Price (USD/Kg), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 137. Putailai Recent Developments/Updates

Table 138. Jiangxi Zeto Basic Information, Manufacturing Base and Competitors

Table 139. Jiangxi Zeto Major Business

Table 140. Jiangxi Zeto Hard Carbon Material Product and Services

Table 141. Jiangxi Zeto Hard Carbon Material Production (MT), Price (USD/Kg),
Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 142. Global Key Players of Hard Carbon Material Upstream (Raw Materials)

Table 143. Hard Carbon Material Typical Customers

Table 144. Hard Carbon Material Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Hard Carbon Material Picture

Figure 2. World Hard Carbon Material Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Hard Carbon Material Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Hard Carbon Material Production (2018-2029) & (MT)

Figure 5. World Hard Carbon Material Average Price (2018-2029) & (USD/Kg)

Figure 6. World Hard Carbon Material Production Value Market Share by Region (2018-2029)

Figure 7. World Hard Carbon Material Production Market Share by Region (2018-2029)

Figure 8. Europe Hard Carbon Material Production (2018-2029) & (MT)

Figure 9. China Hard Carbon Material Production (2018-2029) & (MT)

Figure 10. Japan Hard Carbon Material Production (2018-2029) & (MT)

Figure 11. India Hard Carbon Material Production (2018-2029) & (MT)

Figure 12. Hard Carbon Material Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 15. World Hard Carbon Material Consumption Market Share by Region (2018-2029)

Figure 16. United States Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 17. China Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 18. Europe Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 19. Japan Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 20. South Korea Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 21. ASEAN Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 22. India Hard Carbon Material Consumption (2018-2029) & (MT)

Figure 23. Producer Shipments of Hard Carbon Material by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Hard Carbon Material Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Hard Carbon Material Markets in 2022

Figure 26. United States VS China: Hard Carbon Material Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Hard Carbon Material Production Market Share

Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Hard Carbon Material Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Hard Carbon Material Production Market Share 2022

Figure 30. China Based Manufacturers Hard Carbon Material Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Hard Carbon Material Production Market Share 2022

Figure 32. World Hard Carbon Material Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Hard Carbon Material Production Value Market Share by Type in 2022

Figure 34. Bio-based

Figure 35. Petroleum-based

Figure 36. Polymer Resin

Figure 37. World Hard Carbon Material Production Market Share by Type (2018-2029)

Figure 38. World Hard Carbon Material Production Value Market Share by Type (2018-2029)

Figure 39. World Hard Carbon Material Average Price by Type (2018-2029) & (USD/Kg)

Figure 40. World Hard Carbon Material Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Hard Carbon Material Production Value Market Share by Application in 2022

Figure 42. Li-ion Battery

Figure 43. Na-ion Battery

Figure 44. World Hard Carbon Material Production Market Share by Application (2018-2029)

Figure 45. World Hard Carbon Material Production Value Market Share by Application (2018-2029)

Figure 46. World Hard Carbon Material Average Price by Application (2018-2029) & (USD/Kg)

Figure 47. Hard Carbon Material Industry Chain

Figure 48. Hard Carbon Material Procurement Model

Figure 49. Hard Carbon Material Sales Model

Figure 50. Hard Carbon Material Sales Channels, Direct Sales, and Distribution

Figure 51. Methodology

Figure 52. Research Process and Data Source

I would like to order

Product name: Global Hard Carbon Material Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G82E2237F1DEEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G82E2237F1DEEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970