

# Global Sulfur-doped Hard Carbon Market Growth 2026-2032

<https://marketpublishers.com/r/G90AEF7CA23EEN.html>

Date: May 2026

Pages: 117

Price: US\$ 3,660.00 (Single User License)

ID: G90AEF7CA23EEN

## Abstracts

The global Sulfur-doped Hard Carbon market size is predicted to grow from US\$ 287 million in 2025 to US\$ 1039 million in 2032; it is expected to grow at a CAGR of 20.3% from 2026 to 2032.

Sulfur-doped hard carbon is an engineered form of non-graphitizable carbon in which sulfur atoms are intentionally introduced into the carbon matrix (via heteroatom doping) to modify its electronic structure, enlarge interlayer spacing, and create additional active sites, thereby improving sodium-ion or potassium-ion storage performance, rate capability, and cycling stability. The supply chain begins upstream with carbon precursors such as biomass (e.g., lignin, cellulose), petroleum pitch, or polymer resins, along with sulfur-containing dopants (e.g., thiourea, sulfur powder, sulfates, or organosulfur compounds); in the midstream, manufacturers conduct controlled pyrolysis/carbonization (typically 800-1,300°C) combined with doping/activation processes to incorporate sulfur into the carbon lattice, followed by milling, classification, and surface modification; downstream, the material is supplied to battery manufacturers as anode material for sodium-ion batteries (SIBs), potassium-ion batteries (PIBs), and emerging hybrid energy storage systems, ultimately serving end-use sectors such as grid-scale energy storage, electric mobility (especially low-cost EVs and two/three-wheelers), and portable electronics. In 2025, global Sulfur-Doped Hard Carbon output was about 55,000 tons with 85,000 tons of capacity, average prices of USD 4,200 - 8,500 per ton, and gross margins around 33%.

United States market for Sulfur-doped Hard Carbon is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Sulfur-doped Hard Carbon is estimated to increase from US\$ million in

2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Sulfur-doped Hard Carbon is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Sulfur-doped Hard Carbon players cover BTR New Material (China), Ningbo Shanshan (China), Shanghai Putailai (China), Shenzhen Xiangfenghua (China), Fujian Yuanli (China), etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the ?Sulfur-doped Hard Carbon Industry Forecast? looks at past sales and reviews total world Sulfur-doped Hard Carbon sales in 2025, providing a comprehensive analysis by region and market sector of projected Sulfur-doped Hard Carbon sales for 2026 through 2032. With Sulfur-doped Hard Carbon sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Sulfur-doped Hard Carbon industry.

This Insight Report provides a comprehensive analysis of the global Sulfur-doped Hard Carbon landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Sulfur-doped Hard Carbon portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Sulfur-doped Hard Carbon market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Sulfur-doped Hard Carbon and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Sulfur-doped Hard Carbon.

This report presents a comprehensive overview, market shares, and growth opportunities of Sulfur-doped Hard Carbon market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Biomass-derived S-HC

Polymer-derived S-HC

Pitch-derived S-HC

Segmentation by Doping Method:

In-situ Doping

Post-treatment Doping

Segmentation by Application:

Energy Storage

Electric Vehicle

Consumer Electronic

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its

market penetration.

BTR New Material (China)

Ningbo Shanshan (China)

Shanghai Putailai (China)

Shenzhen Xiangfenghua (China)

Fujian Yuanli (China)

Fujian Xinsen (China)

Shengquan Group (China)

Hunan Shinzoom Technology (China)

Ipsilon (South Korea)

Kuraray (Japan)

JFE Chemical (Japan)

Kureha Corporation (Japan)

Sumitomo Chemical (Japan)

Stora Enso (Finland)

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Sulfur-doped Hard Carbon market?

What factors are driving Sulfur-doped Hard Carbon market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Sulfur-doped Hard Carbon market opportunities vary by end market size?

How does Sulfur-doped Hard Carbon break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Sulfur-doped Hard Carbon Annual Sales 2021-2032

- 2.1.2 World Current & Future Analysis for Sulfur-doped Hard Carbon by Geographic Region, 2021, 2025 & 2032

- 2.1.3 World Current & Future Analysis for Sulfur-doped Hard Carbon by Country/Region, 2021, 2025 & 2032

#### 2.2 Sulfur-doped Hard Carbon Segment by Type

- 2.2.1 Biomass-derived S-HC

- 2.2.2 Polymer-derived S-HC

- 2.2.3 Pitch-derived S-HC

- 2.2.4 Sulfur-doped Hard Carbon Sales by Type

- 2.2.4.1 Global Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)

- 2.2.4.2 Global Sulfur-doped Hard Carbon Revenue and Market Share by Type (2021-2026)

- 2.2.4.3 Global Sulfur-doped Hard Carbon Sale Price by Type (2021-2026)

#### 2.3 Sulfur-doped Hard Carbon Segment by Doping Method

- 2.3.1 In-situ Doping

- 2.3.2 Post-treatment Doping

- 2.3.3 Sulfur-doped Hard Carbon Sales by Doping Method

- 2.3.3.1 Global Sulfur-doped Hard Carbon Sales Market Share by Doping Method (2021-2026)

- 2.3.3.2 Global Sulfur-doped Hard Carbon Revenue and Market Share by Doping Method (2021-2026)

- 2.3.3.3 Global Sulfur-doped Hard Carbon Sale Price by Doping Method (2021-2026)

## 2.4 Sulfur-doped Hard Carbon Segment by Application

2.4.1 Energy Storage

2.4.2 Electric Vehicle

2.4.3 Consumer Electronic

2.4.4 Others

2.4.5 Sulfur-doped Hard Carbon Sales by Application

2.4.5.1 Global Sulfur-doped Hard Carbon Sale Market Share by Application  
(2021-2026)

2.4.5.2 Global Sulfur-doped Hard Carbon Revenue and Market Share by Application  
(2021-2026)

2.4.5.3 Global Sulfur-doped Hard Carbon Sale Price by Application (2021-2026)

## 3 GLOBAL BY COMPANY

### 3.1 Global Sulfur-doped Hard Carbon Breakdown Data by Company

3.1.1 Global Sulfur-doped Hard Carbon Annual Sales by Company (2021-2026)

3.1.2 Global Sulfur-doped Hard Carbon Sales Market Share by Company (2021-2026)

### 3.2 Global Sulfur-doped Hard Carbon Annual Revenue by Company (2021-2026)

3.2.1 Global Sulfur-doped Hard Carbon Revenue by Company (2021-2026)

3.2.2 Global Sulfur-doped Hard Carbon Revenue Market Share by Company  
(2021-2026)

### 3.3 Global Sulfur-doped Hard Carbon Sale Price by Company

### 3.4 Key Manufacturers Sulfur-doped Hard Carbon Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Sulfur-doped Hard Carbon Product Location Distribution

3.4.2 Players Sulfur-doped Hard Carbon Products Offered

### 3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

### 3.6 New Products and Potential Entrants

### 3.7 Market M&A Activity & Strategy

## 4 WORLD HISTORIC REVIEW FOR SULFUR-DOPED HARD CARBON BY GEOGRAPHIC REGION

4.1 World Historic Sulfur-doped Hard Carbon Market Size by Geographic Region  
(2021-2026)

4.1.1 Global Sulfur-doped Hard Carbon Annual Sales by Geographic Region  
(2021-2026)

4.1.2 Global Sulfur-doped Hard Carbon Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Sulfur-doped Hard Carbon Market Size by Country/Region (2021-2026)

4.2.1 Global Sulfur-doped Hard Carbon Annual Sales by Country/Region (2021-2026)

4.2.2 Global Sulfur-doped Hard Carbon Annual Revenue by Country/Region (2021-2026)

4.3 Americas Sulfur-doped Hard Carbon Sales Growth

4.4 APAC Sulfur-doped Hard Carbon Sales Growth

4.5 Europe Sulfur-doped Hard Carbon Sales Growth

4.6 Middle East & Africa Sulfur-doped Hard Carbon Sales Growth

## **5 AMERICAS**

5.1 Americas Sulfur-doped Hard Carbon Sales by Country

5.1.1 Americas Sulfur-doped Hard Carbon Sales by Country (2021-2026)

5.1.2 Americas Sulfur-doped Hard Carbon Revenue by Country (2021-2026)

5.2 Americas Sulfur-doped Hard Carbon Sales by Type (2021-2026)

5.3 Americas Sulfur-doped Hard Carbon Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

## **6 APAC**

6.1 APAC Sulfur-doped Hard Carbon Sales by Region

6.1.1 APAC Sulfur-doped Hard Carbon Sales by Region (2021-2026)

6.1.2 APAC Sulfur-doped Hard Carbon Revenue by Region (2021-2026)

6.2 APAC Sulfur-doped Hard Carbon Sales by Type (2021-2026)

6.3 APAC Sulfur-doped Hard Carbon Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

## **7 EUROPE**

### 7.1 Europe Sulfur-doped Hard Carbon by Country

7.1.1 Europe Sulfur-doped Hard Carbon Sales by Country (2021-2026)

7.1.2 Europe Sulfur-doped Hard Carbon Revenue by Country (2021-2026)

### 7.2 Europe Sulfur-doped Hard Carbon Sales by Type (2021-2026)

### 7.3 Europe Sulfur-doped Hard Carbon Sales by Application (2021-2026)

### 7.4 Germany

### 7.5 France

### 7.6 UK

### 7.7 Italy

### 7.8 Russia

## **8 MIDDLE EAST & AFRICA**

### 8.1 Middle East & Africa Sulfur-doped Hard Carbon by Country

8.1.1 Middle East & Africa Sulfur-doped Hard Carbon Sales by Country (2021-2026)

8.1.2 Middle East & Africa Sulfur-doped Hard Carbon Revenue by Country  
(2021-2026)

### 8.2 Middle East & Africa Sulfur-doped Hard Carbon Sales by Type (2021-2026)

### 8.3 Middle East & Africa Sulfur-doped Hard Carbon Sales by Application (2021-2026)

### 8.4 Egypt

### 8.5 South Africa

### 8.6 Israel

### 8.7 Turkey

### 8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

### 9.1 Market Drivers & Growth Opportunities

### 9.2 Market Challenges & Risks

### 9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

### 10.1 Raw Material and Suppliers

### 10.2 Manufacturing Cost Structure Analysis of Sulfur-doped Hard Carbon

### 10.3 Manufacturing Process Analysis of Sulfur-doped Hard Carbon

### 10.4 Industry Chain Structure of Sulfur-doped Hard Carbon

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

### 11.1 Sales Channel

#### 11.1.1 Direct Channels

#### 11.1.2 Indirect Channels

### 11.2 Sulfur-doped Hard Carbon Distributors

### 11.3 Sulfur-doped Hard Carbon Customer

## **12 WORLD FORECAST REVIEW FOR SULFUR-DOPED HARD CARBON BY GEOGRAPHIC REGION**

### 12.1 Global Sulfur-doped Hard Carbon Market Size Forecast by Region

#### 12.1.1 Global Sulfur-doped Hard Carbon Forecast by Region (2027-2032)

#### 12.1.2 Global Sulfur-doped Hard Carbon Annual Revenue Forecast by Region (2027-2032)

### 12.2 Americas Forecast by Country (2027-2032)

### 12.3 APAC Forecast by Region (2027-2032)

### 12.4 Europe Forecast by Country (2027-2032)

### 12.5 Middle East & Africa Forecast by Country (2027-2032)

### 12.6 Global Sulfur-doped Hard Carbon Forecast by Type (2027-2032)

### 12.7 Global Sulfur-doped Hard Carbon Forecast by Application (2027-2032)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 BTR New Material (China)

#### 13.1.1 BTR New Material (China) Company Information

#### 13.1.2 BTR New Material (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

#### 13.1.3 BTR New Material (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

#### 13.1.4 BTR New Material (China) Main Business Overview

#### 13.1.5 BTR New Material (China) Latest Developments

### 13.2 Ningbo Shanshan (China)

#### 13.2.1 Ningbo Shanshan (China) Company Information

#### 13.2.2 Ningbo Shanshan (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

#### 13.2.3 Ningbo Shanshan (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.2.4 Ningbo Shanshan (China) Main Business Overview
- 13.2.5 Ningbo Shanshan (China) Latest Developments
- 13.3 Shanghai Putailai (China)
  - 13.3.1 Shanghai Putailai (China) Company Information
  - 13.3.2 Shanghai Putailai (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications
  - 13.3.3 Shanghai Putailai (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.3.4 Shanghai Putailai (China) Main Business Overview
  - 13.3.5 Shanghai Putailai (China) Latest Developments
- 13.4 Shenzhen Xiangfenghua (China)
  - 13.4.1 Shenzhen Xiangfenghua (China) Company Information
  - 13.4.2 Shenzhen Xiangfenghua (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications
  - 13.4.3 Shenzhen Xiangfenghua (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.4.4 Shenzhen Xiangfenghua (China) Main Business Overview
  - 13.4.5 Shenzhen Xiangfenghua (China) Latest Developments
- 13.5 Fujian Yuanli (China)
  - 13.5.1 Fujian Yuanli (China) Company Information
  - 13.5.2 Fujian Yuanli (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications
  - 13.5.3 Fujian Yuanli (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.5.4 Fujian Yuanli (China) Main Business Overview
  - 13.5.5 Fujian Yuanli (China) Latest Developments
- 13.6 Fujian Xinsen (China)
  - 13.6.1 Fujian Xinsen (China) Company Information
  - 13.6.2 Fujian Xinsen (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications
  - 13.6.3 Fujian Xinsen (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)
  - 13.6.4 Fujian Xinsen (China) Main Business Overview
  - 13.6.5 Fujian Xinsen (China) Latest Developments
- 13.7 Shengquan Group (China)
  - 13.7.1 Shengquan Group (China) Company Information
  - 13.7.2 Shengquan Group (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications
  - 13.7.3 Shengquan Group (China) Sulfur-doped Hard Carbon Sales, Revenue, Price

and Gross Margin (2021-2026)

13.7.4 Shengquan Group (China) Main Business Overview

13.7.5 Shengquan Group (China) Latest Developments

13.8 Hunan Shinzoom Technology (China)

13.8.1 Hunan Shinzoom Technology (China) Company Information

13.8.2 Hunan Shinzoom Technology (China) Sulfur-doped Hard Carbon Product

Portfolios and Specifications

13.8.3 Hunan Shinzoom Technology (China) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Hunan Shinzoom Technology (China) Main Business Overview

13.8.5 Hunan Shinzoom Technology (China) Latest Developments

13.9 Iopsilion (South Korea)

13.9.1 Iopsilion (South Korea) Company Information

13.9.2 Iopsilion (South Korea) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.9.3 Iopsilion (South Korea) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.9.4 Iopsilion (South Korea) Main Business Overview

13.9.5 Iopsilion (South Korea) Latest Developments

13.10 Kuraray (Japan)

13.10.1 Kuraray (Japan) Company Information

13.10.2 Kuraray (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.10.3 Kuraray (Japan) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.10.4 Kuraray (Japan) Main Business Overview

13.10.5 Kuraray (Japan) Latest Developments

13.11 JFE Chemical (Japan)

13.11.1 JFE Chemical (Japan) Company Information

13.11.2 JFE Chemical (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.11.3 JFE Chemical (Japan) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.11.4 JFE Chemical (Japan) Main Business Overview

13.11.5 JFE Chemical (Japan) Latest Developments

13.12 Kureha Corporation (Japan)

13.12.1 Kureha Corporation (Japan) Company Information

13.12.2 Kureha Corporation (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.12.3 Kureha Corporation (Japan) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.12.4 Kureha Corporation (Japan) Main Business Overview

13.12.5 Kureha Corporation (Japan) Latest Developments

13.13 Sumitomo Chemical (Japan)

13.13.1 Sumitomo Chemical (Japan) Company Information

13.13.2 Sumitomo Chemical (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.13.3 Sumitomo Chemical (Japan) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Sumitomo Chemical (Japan) Main Business Overview

13.13.5 Sumitomo Chemical (Japan) Latest Developments

13.14 Stora Enso (Finland)

13.14.1 Stora Enso (Finland) Company Information

13.14.2 Stora Enso (Finland) Sulfur-doped Hard Carbon Product Portfolios and Specifications

13.14.3 Stora Enso (Finland) Sulfur-doped Hard Carbon Sales, Revenue, Price and Gross Margin (2021-2026)

13.14.4 Stora Enso (Finland) Main Business Overview

13.14.5 Stora Enso (Finland) Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

- Table 1. Sulfur-doped Hard Carbon Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Table 2. Sulfur-doped Hard Carbon Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)
- Table 3. Major Players of Biomass-derived S-HC
- Table 4. Major Players of Polymer-derived S-HC
- Table 5. Major Players of Pitch-derived S-HC
- Table 6. Global Sulfur-doped Hard Carbon Sales by Type (2021-2026) & (Tons)
- Table 7. Global Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)
- Table 8. Global Sulfur-doped Hard Carbon Revenue by Type (2021-2026) & (\$ million)
- Table 9. Global Sulfur-doped Hard Carbon Revenue Market Share by Type (2021-2026)
- Table 10. Global Sulfur-doped Hard Carbon Sale Price by Type (2021-2026) & (US\$/Ton)
- Table 11. Major Players of In-situ Doping
- Table 12. Major Players of Post-treatment Doping
- Table 13. Global Sulfur-doped Hard Carbon Sales by Doping Method (2021-2026) & (Tons)
- Table 14. Global Sulfur-doped Hard Carbon Sales Market Share by Doping Method (2021-2026)
- Table 15. Global Sulfur-doped Hard Carbon Revenue by Doping Method (2021-2026) & (\$ million)
- Table 16. Global Sulfur-doped Hard Carbon Revenue Market Share by Doping Method (2021-2026)
- Table 17. Global Sulfur-doped Hard Carbon Sale Price by Doping Method (2021-2026) & (US\$/Ton)
- Table 18. Global Sulfur-doped Hard Carbon Sale by Application (2021-2026) & (Tons)
- Table 19. Global Sulfur-doped Hard Carbon Sale Market Share by Application (2021-2026)
- Table 20. Global Sulfur-doped Hard Carbon Revenue by Application (2021-2026) & (\$ million)
- Table 21. Global Sulfur-doped Hard Carbon Revenue Market Share by Application (2021-2026)
- Table 22. Global Sulfur-doped Hard Carbon Sale Price by Application (2021-2026) & (US\$/Ton)
- Table 23. Global Sulfur-doped Hard Carbon Sales by Company (2021-2026) & (Tons)

Table 24. Global Sulfur-doped Hard Carbon Sales Market Share by Company (2021-2026)

Table 25. Global Sulfur-doped Hard Carbon Revenue by Company (2021-2026) & (\$ millions)

Table 26. Global Sulfur-doped Hard Carbon Revenue Market Share by Company (2021-2026)

Table 27. Global Sulfur-doped Hard Carbon Sale Price by Company (2021-2026) & (US\$/Ton)

Table 28. Key Manufacturers Sulfur-doped Hard Carbon Producing Area Distribution and Sales Area

Table 29. Players Sulfur-doped Hard Carbon Products Offered

Table 30. Sulfur-doped Hard Carbon Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 31. New Products and Potential Entrants

Table 32. Market M&A Activity & Strategy

Table 33. Global Sulfur-doped Hard Carbon Sales by Geographic Region (2021-2026) & (Tons)

Table 34. Global Sulfur-doped Hard Carbon Sales Market Share Geographic Region (2021-2026)

Table 35. Global Sulfur-doped Hard Carbon Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 36. Global Sulfur-doped Hard Carbon Revenue Market Share by Geographic Region (2021-2026)

Table 37. Global Sulfur-doped Hard Carbon Sales by Country/Region (2021-2026) & (Tons)

Table 38. Global Sulfur-doped Hard Carbon Sales Market Share by Country/Region (2021-2026)

Table 39. Global Sulfur-doped Hard Carbon Revenue by Country/Region (2021-2026) & (\$ millions)

Table 40. Global Sulfur-doped Hard Carbon Revenue Market Share by Country/Region (2021-2026)

Table 41. Americas Sulfur-doped Hard Carbon Sales by Country (2021-2026) & (Tons)

Table 42. Americas Sulfur-doped Hard Carbon Sales Market Share by Country (2021-2026)

Table 43. Americas Sulfur-doped Hard Carbon Revenue by Country (2021-2026) & (\$ millions)

Table 44. Americas Sulfur-doped Hard Carbon Sales by Type (2021-2026) & (Tons)

Table 45. Americas Sulfur-doped Hard Carbon Sales by Application (2021-2026) & (Tons)

- Table 46. APAC Sulfur-doped Hard Carbon Sales by Region (2021-2026) & (Tons)
- Table 47. APAC Sulfur-doped Hard Carbon Sales Market Share by Region (2021-2026)
- Table 48. APAC Sulfur-doped Hard Carbon Revenue by Region (2021-2026) & (\$ millions)
- Table 49. APAC Sulfur-doped Hard Carbon Sales by Type (2021-2026) & (Tons)
- Table 50. APAC Sulfur-doped Hard Carbon Sales by Application (2021-2026) & (Tons)
- Table 51. Europe Sulfur-doped Hard Carbon Sales by Country (2021-2026) & (Tons)
- Table 52. Europe Sulfur-doped Hard Carbon Revenue by Country (2021-2026) & (\$ millions)
- Table 53. Europe Sulfur-doped Hard Carbon Sales by Type (2021-2026) & (Tons)
- Table 54. Europe Sulfur-doped Hard Carbon Sales by Application (2021-2026) & (Tons)
- Table 55. Middle East & Africa Sulfur-doped Hard Carbon Sales by Country (2021-2026) & (Tons)
- Table 56. Middle East & Africa Sulfur-doped Hard Carbon Revenue Market Share by Country (2021-2026)
- Table 57. Middle East & Africa Sulfur-doped Hard Carbon Sales by Type (2021-2026) & (Tons)
- Table 58. Middle East & Africa Sulfur-doped Hard Carbon Sales by Application (2021-2026) & (Tons)
- Table 59. Key Market Drivers & Growth Opportunities of Sulfur-doped Hard Carbon
- Table 60. Key Market Challenges & Risks of Sulfur-doped Hard Carbon
- Table 61. Key Industry Trends of Sulfur-doped Hard Carbon
- Table 62. Sulfur-doped Hard Carbon Raw Material
- Table 63. Key Suppliers of Raw Materials
- Table 64. Sulfur-doped Hard Carbon Distributors List
- Table 65. Sulfur-doped Hard Carbon Customer List
- Table 66. Global Sulfur-doped Hard Carbon Sales Forecast by Region (2027-2032) & (Tons)
- Table 67. Global Sulfur-doped Hard Carbon Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 68. Americas Sulfur-doped Hard Carbon Sales Forecast by Country (2027-2032) & (Tons)
- Table 69. Americas Sulfur-doped Hard Carbon Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
- Table 70. APAC Sulfur-doped Hard Carbon Sales Forecast by Region (2027-2032) & (Tons)
- Table 71. APAC Sulfur-doped Hard Carbon Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
- Table 72. Europe Sulfur-doped Hard Carbon Sales Forecast by Country (2027-2032) &

(Tons)

Table 73. Europe Sulfur-doped Hard Carbon Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 74. Middle East & Africa Sulfur-doped Hard Carbon Sales Forecast by Country (2027-2032) & (Tons)

Table 75. Middle East & Africa Sulfur-doped Hard Carbon Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 76. Global Sulfur-doped Hard Carbon Sales Forecast by Type (2027-2032) & (Tons)

Table 77. Global Sulfur-doped Hard Carbon Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 78. Global Sulfur-doped Hard Carbon Sales Forecast by Application (2027-2032) & (Tons)

Table 79. Global Sulfur-doped Hard Carbon Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 80. BTR New Material (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 81. BTR New Material (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 82. BTR New Material (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 83. BTR New Material (China) Main Business

Table 84. BTR New Material (China) Latest Developments

Table 85. Ningbo Shanshan (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 86. Ningbo Shanshan (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 87. Ningbo Shanshan (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 88. Ningbo Shanshan (China) Main Business

Table 89. Ningbo Shanshan (China) Latest Developments

Table 90. Shanghai Putailai (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 91. Shanghai Putailai (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 92. Shanghai Putailai (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 93. Shanghai Putailai (China) Main Business

Table 94. Shanghai Putailai (China) Latest Developments

Table 95. Shenzhen Xiangfenghua (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 96. Shenzhen Xiangfenghua (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 97. Shenzhen Xiangfenghua (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 98. Shenzhen Xiangfenghua (China) Main Business

Table 99. Shenzhen Xiangfenghua (China) Latest Developments

Table 100. Fujian Yuanli (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 101. Fujian Yuanli (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 102. Fujian Yuanli (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 103. Fujian Yuanli (China) Main Business

Table 104. Fujian Yuanli (China) Latest Developments

Table 105. Fujian Xinsen (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 106. Fujian Xinsen (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 107. Fujian Xinsen (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 108. Fujian Xinsen (China) Main Business

Table 109. Fujian Xinsen (China) Latest Developments

Table 110. Shengquan Group (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 111. Shengquan Group (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 112. Shengquan Group (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 113. Shengquan Group (China) Main Business

Table 114. Shengquan Group (China) Latest Developments

Table 115. Hunan Shinzoom Technology (China) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 116. Hunan Shinzoom Technology (China) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 117. Hunan Shinzoom Technology (China) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 118. Hunan Shinzoom Technology (China) Main Business

- Table 119. Hunan Shinzoom Technology (China) Latest Developments
- Table 120. Iopsilion (South Korea) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors
- Table 121. Iopsilion (South Korea) Sulfur-doped Hard Carbon Product Portfolios and Specifications
- Table 122. Iopsilion (South Korea) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
- Table 123. Iopsilion (South Korea) Main Business
- Table 124. Iopsilion (South Korea) Latest Developments
- Table 125. Kuraray (Japan) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors
- Table 126. Kuraray (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications
- Table 127. Kuraray (Japan) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
- Table 128. Kuraray (Japan) Main Business
- Table 129. Kuraray (Japan) Latest Developments
- Table 130. JFE Chemical (Japan) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors
- Table 131. JFE Chemical (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications
- Table 132. JFE Chemical (Japan) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
- Table 133. JFE Chemical (Japan) Main Business
- Table 134. JFE Chemical (Japan) Latest Developments
- Table 135. Kureha Corporation (Japan) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors
- Table 136. Kureha Corporation (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications
- Table 137. Kureha Corporation (Japan) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)
- Table 138. Kureha Corporation (Japan) Main Business
- Table 139. Kureha Corporation (Japan) Latest Developments
- Table 140. Sumitomo Chemical (Japan) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors
- Table 141. Sumitomo Chemical (Japan) Sulfur-doped Hard Carbon Product Portfolios and Specifications
- Table 142. Sumitomo Chemical (Japan) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 143. Sumitomo Chemical (Japan) Main Business

Table 144. Sumitomo Chemical (Japan) Latest Developments

Table 145. Stora Enso (Finland) Basic Information, Sulfur-doped Hard Carbon Manufacturing Base, Sales Area and Its Competitors

Table 146. Stora Enso (Finland) Sulfur-doped Hard Carbon Product Portfolios and Specifications

Table 147. Stora Enso (Finland) Sulfur-doped Hard Carbon Sales (Tons), Revenue (\$ Million), Price (US\$/Ton) and Gross Margin (2021-2026)

Table 148. Stora Enso (Finland) Main Business

Table 149. Stora Enso (Finland) Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Sulfur-doped Hard Carbon
- Figure 2. Sulfur-doped Hard Carbon Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Sulfur-doped Hard Carbon Sales Growth Rate 2021-2032 (Tons)
- Figure 7. Global Sulfur-doped Hard Carbon Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Sulfur-doped Hard Carbon Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Sulfur-doped Hard Carbon Sales Market Share by Country/Region (2025)
- Figure 10. Sulfur-doped Hard Carbon Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Biomass-derived S-HC
- Figure 12. Product Picture of Polymer-derived S-HC
- Figure 13. Product Picture of Pitch-derived S-HC
- Figure 14. Global Sulfur-doped Hard Carbon Sales Market Share by Type in 2026
- Figure 15. Global Sulfur-doped Hard Carbon Revenue Market Share by Type (2021-2026)
- Figure 16. Product Picture of In-situ Doping
- Figure 17. Product Picture of Post-treatment Doping
- Figure 18. Global Sulfur-doped Hard Carbon Sales Market Share by Doping Method in 2026
- Figure 19. Global Sulfur-doped Hard Carbon Revenue Market Share by Doping Method (2021-2026)
- Figure 20. Sulfur-doped Hard Carbon Consumed in Energy Storage
- Figure 21. Global Sulfur-doped Hard Carbon Market: Energy Storage (2021-2026) & (Tons)
- Figure 22. Sulfur-doped Hard Carbon Consumed in Electric Vehicle
- Figure 23. Global Sulfur-doped Hard Carbon Market: Electric Vehicle (2021-2026) & (Tons)
- Figure 24. Sulfur-doped Hard Carbon Consumed in Consumer Electronic
- Figure 25. Global Sulfur-doped Hard Carbon Market: Consumer Electronic (2021-2026) & (Tons)
- Figure 26. Sulfur-doped Hard Carbon Consumed in Others

- Figure 27. Global Sulfur-doped Hard Carbon Market: Others (2021-2026) & (Tons)
- Figure 28. Global Sulfur-doped Hard Carbon Sale Market Share by Application (2025)
- Figure 29. Global Sulfur-doped Hard Carbon Revenue Market Share by Application in 2025
- Figure 30. Sulfur-doped Hard Carbon Sales by Company in 2025 (Tons)
- Figure 31. Global Sulfur-doped Hard Carbon Sales Market Share by Company in 2025
- Figure 32. Sulfur-doped Hard Carbon Revenue by Company in 2025 (\$ millions)
- Figure 33. Global Sulfur-doped Hard Carbon Revenue Market Share by Company in 2025
- Figure 34. Global Sulfur-doped Hard Carbon Sales Market Share by Geographic Region (2021-2026)
- Figure 35. Global Sulfur-doped Hard Carbon Revenue Market Share by Geographic Region in 2025
- Figure 36. Americas Sulfur-doped Hard Carbon Sales 2021-2026 (Tons)
- Figure 37. Americas Sulfur-doped Hard Carbon Revenue 2021-2026 (\$ millions)
- Figure 38. APAC Sulfur-doped Hard Carbon Sales 2021-2026 (Tons)
- Figure 39. APAC Sulfur-doped Hard Carbon Revenue 2021-2026 (\$ millions)
- Figure 40. Europe Sulfur-doped Hard Carbon Sales 2021-2026 (Tons)
- Figure 41. Europe Sulfur-doped Hard Carbon Revenue 2021-2026 (\$ millions)
- Figure 42. Middle East & Africa Sulfur-doped Hard Carbon Sales 2021-2026 (Tons)
- Figure 43. Middle East & Africa Sulfur-doped Hard Carbon Revenue 2021-2026 (\$ millions)
- Figure 44. Americas Sulfur-doped Hard Carbon Sales Market Share by Country in 2025
- Figure 45. Americas Sulfur-doped Hard Carbon Revenue Market Share by Country (2021-2026)
- Figure 46. Americas Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)
- Figure 47. Americas Sulfur-doped Hard Carbon Sales Market Share by Application (2021-2026)
- Figure 48. United States Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)
- Figure 49. Canada Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)
- Figure 50. Mexico Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)
- Figure 51. Brazil Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)
- Figure 52. APAC Sulfur-doped Hard Carbon Sales Market Share by Region in 2025
- Figure 53. APAC Sulfur-doped Hard Carbon Revenue Market Share by Region (2021-2026)
- Figure 54. APAC Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)
- Figure 55. APAC Sulfur-doped Hard Carbon Sales Market Share by Application

(2021-2026)

Figure 56. China Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 57. Japan Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 58. South Korea Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 59. Southeast Asia Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 60. India Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 61. Australia Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 62. China Taiwan Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 63. Europe Sulfur-doped Hard Carbon Sales Market Share by Country in 2025

Figure 64. Europe Sulfur-doped Hard Carbon Revenue Market Share by Country (2021-2026)

Figure 65. Europe Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)

Figure 66. Europe Sulfur-doped Hard Carbon Sales Market Share by Application (2021-2026)

Figure 67. Germany Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 68. France Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 69. UK Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 70. Italy Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 71. Russia Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 72. Middle East & Africa Sulfur-doped Hard Carbon Sales Market Share by Country (2021-2026)

Figure 73. Middle East & Africa Sulfur-doped Hard Carbon Sales Market Share by Type (2021-2026)

Figure 74. Middle East & Africa Sulfur-doped Hard Carbon Sales Market Share by Application (2021-2026)

Figure 75. Egypt Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 76. South Africa Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 77. Israel Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 78. Turkey Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 79. GCC Countries Sulfur-doped Hard Carbon Revenue Growth 2021-2026 (\$ millions)

Figure 80. Manufacturing Cost Structure Analysis of Sulfur-doped Hard Carbon in 2026

Figure 81. Manufacturing Process Analysis of Sulfur-doped Hard Carbon

Figure 82. Industry Chain Structure of Sulfur-doped Hard Carbon

Figure 83. Channels of Distribution

Figure 84. Global Sulfur-doped Hard Carbon Sales Market Forecast by Region (2027-2032)

Figure 85. Global Sulfur-doped Hard Carbon Revenue Market Share Forecast by Region (2027-2032)

Figure 86. Global Sulfur-doped Hard Carbon Sales Market Share Forecast by Type (2027-2032)

Figure 87. Global Sulfur-doped Hard Carbon Revenue Market Share Forecast by Type (2027-2032)

Figure 88. Global Sulfur-doped Hard Carbon Sales Market Share Forecast by Application (2027-2032)

Figure 89. Global Sulfur-doped Hard Carbon Revenue Market Share Forecast by Application (2027-2032)

## I would like to order

Product name: Global Sulfur-doped Hard Carbon Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/G90AEF7CA23EEN.html>

Price: US\$ 3,660.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G90AEF7CA23EEN.html>