

Global Boron Carbide Neutron Absorber Material Market Growth 2024-2030

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Abstracts

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The neutron absorber materials are required to absorb neutrons without forming long-lived radionuclides during the reactor operations. The most commonly used materials are boron– stainless steel, boron carbide, and Boron Carbide-Aluminum Composite. They are used in spent nuclear fuel transportation and storage etc field.

Boron carbide is used as a neutron absorber in virtually all current reactors and is also considered for almost all ongoing projects.

The global Boron Carbide Neutron Absorber Material market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of %from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the “Boron Carbide Neutron Absorber Material Industry Forecast” looks at past sales and reviews total world Boron Carbide Neutron Absorber Material sales in 2023, providing a comprehensive analysis by region and market sector of projected Boron Carbide Neutron Absorber Material sales for 2024 through 2030. With Boron Carbide Neutron Absorber Material sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Boron Carbide Neutron Absorber Material industry.

This Insight Report provides a comprehensive analysis of the global Boron Carbide Neutron Absorber Material 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 Boron Carbide Neutron Absorber Material portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Boron Carbide Neutron Absorber Material market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Boron Carbide Neutron Absorber Material 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 Boron Carbide Neutron Absorber Material.

United States market for Boron Carbide Neutron Absorber Material is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Boron Carbide Neutron Absorber Material is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Boron Carbide Neutron Absorber Material is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Boron Carbide Neutron Absorber Material players cover 3M, Holtec International, Nikkeikin Aluminium Core Technology Company, Antai-heyuan Nuclear Energy Technology & Materials, MillenniTEK, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Boron Carbide Neutron Absorber Material market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Aluminum Boron Carbide

Boron Carbide

Segmentation by Application:

Spent Fuel Storage Racks

Storage and Transportation Casks

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.

3M

Holtec International

Nikkeikin Aluminium Core Technology Company

Antai-heyuan Nuclear Energy Technology & Materials

MillenniTEK

Ramon Science and Technology

Hangzhou Taofeilun

Stanford Advanced Materials (Oceania International)

Sea Dragon Hecai Technology(Jiangsu)

Baoding Borda New Material Technology

Trumony Aluminum

Key Questions Addressed in this Report

What is the 10-year outlook for the global Boron Carbide Neutron Absorber Material market?

What factors are driving Boron Carbide Neutron Absorber Material market growth, globally and by region?

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

How do Boron Carbide Neutron Absorber Material market opportunities vary by end market size?

How does Boron Carbide Neutron Absorber Material 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 Boron Carbide Neutron Absorber Material Annual Sales 2019-2030
 - 2.1.2 World Current & Future Analysis for Boron Carbide Neutron Absorber Material by Geographic Region, 2019, 2023 & 2030
 - 2.1.3 World Current & Future Analysis for Boron Carbide Neutron Absorber Material by Country/Region, 2019, 2023 & 2030
- 2.2 Boron Carbide Neutron Absorber Material Segment by Type
 - 2.2.1 Aluminum Boron Carbide
 - 2.2.2 Boron Carbide
- 2.3 Boron Carbide Neutron Absorber Material Sales by Type
 - 2.3.1 Global Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)
 - 2.3.2 Global Boron Carbide Neutron Absorber Material Revenue and Market Share by Type (2019-2024)
 - 2.3.3 Global Boron Carbide Neutron Absorber Material Sale Price by Type (2019-2024)
- 2.4 Boron Carbide Neutron Absorber Material Segment by Application
 - 2.4.1 Spent Fuel Storage Racks
 - 2.4.2 Storage and Transportation Casks
 - 2.4.3 Others
- 2.5 Boron Carbide Neutron Absorber Material Sales by Application
 - 2.5.1 Global Boron Carbide Neutron Absorber Material Sale Market Share by Application (2019-2024)
 - 2.5.2 Global Boron Carbide Neutron Absorber Material Revenue and Market Share by

Application (2019-2024)

2.5.3 Global Boron Carbide Neutron Absorber Material Sale Price by Application (2019-2024)

3 GLOBAL BY COMPANY

3.1 Global Boron Carbide Neutron Absorber Material Breakdown Data by Company

3.1.1 Global Boron Carbide Neutron Absorber Material Annual Sales by Company (2019-2024)

3.1.2 Global Boron Carbide Neutron Absorber Material Sales Market Share by Company (2019-2024)

3.2 Global Boron Carbide Neutron Absorber Material Annual Revenue by Company (2019-2024)

3.2.1 Global Boron Carbide Neutron Absorber Material Revenue by Company (2019-2024)

3.2.2 Global Boron Carbide Neutron Absorber Material Revenue Market Share by Company (2019-2024)

3.3 Global Boron Carbide Neutron Absorber Material Sale Price by Company

3.4 Key Manufacturers Boron Carbide Neutron Absorber Material Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Boron Carbide Neutron Absorber Material Product Location Distribution

3.4.2 Players Boron Carbide Neutron Absorber Material Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR BORON CARBIDE NEUTRON ABSORBER MATERIAL BY GEOGRAPHIC REGION

4.1 World Historic Boron Carbide Neutron Absorber Material Market Size by Geographic Region (2019-2024)

4.1.1 Global Boron Carbide Neutron Absorber Material Annual Sales by Geographic Region (2019-2024)

4.1.2 Global Boron Carbide Neutron Absorber Material Annual Revenue by Geographic Region (2019-2024)

4.2 World Historic Boron Carbide Neutron Absorber Material Market Size by

Country/Region (2019-2024)

4.2.1 Global Boron Carbide Neutron Absorber Material Annual Sales by Country/Region (2019-2024)

4.2.2 Global Boron Carbide Neutron Absorber Material Annual Revenue by Country/Region (2019-2024)

4.3 Americas Boron Carbide Neutron Absorber Material Sales Growth

4.4 APAC Boron Carbide Neutron Absorber Material Sales Growth

4.5 Europe Boron Carbide Neutron Absorber Material Sales Growth

4.6 Middle East & Africa Boron Carbide Neutron Absorber Material Sales Growth

5 AMERICAS

5.1 Americas Boron Carbide Neutron Absorber Material Sales by Country

5.1.1 Americas Boron Carbide Neutron Absorber Material Sales by Country (2019-2024)

5.1.2 Americas Boron Carbide Neutron Absorber Material Revenue by Country (2019-2024)

5.2 Americas Boron Carbide Neutron Absorber Material Sales by Type (2019-2024)

5.3 Americas Boron Carbide Neutron Absorber Material Sales by Application (2019-2024)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Boron Carbide Neutron Absorber Material Sales by Region

6.1.1 APAC Boron Carbide Neutron Absorber Material Sales by Region (2019-2024)

6.1.2 APAC Boron Carbide Neutron Absorber Material Revenue by Region (2019-2024)

6.2 APAC Boron Carbide Neutron Absorber Material Sales by Type (2019-2024)

6.3 APAC Boron Carbide Neutron Absorber Material Sales by Application (2019-2024)

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 Boron Carbide Neutron Absorber Material by Country

7.1.1 Europe Boron Carbide Neutron Absorber Material Sales by Country (2019-2024)

7.1.2 Europe Boron Carbide Neutron Absorber Material Revenue by Country (2019-2024)

7.2 Europe Boron Carbide Neutron Absorber Material Sales by Type (2019-2024)

7.3 Europe Boron Carbide Neutron Absorber Material Sales by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Boron Carbide Neutron Absorber Material by Country

8.1.1 Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Country (2019-2024)

8.1.2 Middle East & Africa Boron Carbide Neutron Absorber Material Revenue by Country (2019-2024)

8.2 Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Type (2019-2024)

8.3 Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Application (2019-2024)

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 Boron Carbide Neutron Absorber Material

10.3 Manufacturing Process Analysis of Boron Carbide Neutron Absorber Material

10.4 Industry Chain Structure of Boron Carbide Neutron Absorber Material

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Boron Carbide Neutron Absorber Material Distributors

11.3 Boron Carbide Neutron Absorber Material Customer

12 WORLD FORECAST REVIEW FOR BORON CARBIDE NEUTRON ABSORBER MATERIAL BY GEOGRAPHIC REGION

12.1 Global Boron Carbide Neutron Absorber Material Market Size Forecast by Region

12.1.1 Global Boron Carbide Neutron Absorber Material Forecast by Region (2025-2030)

12.1.2 Global Boron Carbide Neutron Absorber Material Annual Revenue Forecast by Region (2025-2030)

12.2 Americas Forecast by Country (2025-2030)

12.3 APAC Forecast by Region (2025-2030)

12.4 Europe Forecast by Country (2025-2030)

12.5 Middle East & Africa Forecast by Country (2025-2030)

12.6 Global Boron Carbide Neutron Absorber Material Forecast by Type (2025-2030)

12.7 Global Boron Carbide Neutron Absorber Material Forecast by Application (2025-2030)

13 KEY PLAYERS ANALYSIS

13.1 3M

13.1.1 3M Company Information

13.1.2 3M Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

13.1.3 3M Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross

Margin (2019-2024)

13.1.4 3M Main Business Overview

13.1.5 3M Latest Developments

13.2 Holtec International

13.2.1 Holtec International Company Information

13.2.2 Holtec International Boron Carbide Neutron Absorber Material Product

Portfolios and Specifications

13.2.3 Holtec International Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)

13.2.4 Holtec International Main Business Overview

13.2.5 Holtec International Latest Developments

13.3 Nikkeikin Aluminium Core Technology Company

13.3.1 Nikkeikin Aluminium Core Technology Company Company Information

13.3.2 Nikkeikin Aluminium Core Technology Company Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

13.3.3 Nikkeikin Aluminium Core Technology Company Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)

13.3.4 Nikkeikin Aluminium Core Technology Company Main Business Overview

13.3.5 Nikkeikin Aluminium Core Technology Company Latest Developments

13.4 Antai-heyuan Nuclear Energy Technology & Materials

13.4.1 Antai-heyuan Nuclear Energy Technology & Materials Company Information

13.4.2 Antai-heyuan Nuclear Energy Technology & Materials Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

13.4.3 Antai-heyuan Nuclear Energy Technology & Materials Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)

13.4.4 Antai-heyuan Nuclear Energy Technology & Materials Main Business Overview

13.4.5 Antai-heyuan Nuclear Energy Technology & Materials Latest Developments

13.5 MillenniTEK

13.5.1 MillenniTEK Company Information

13.5.2 MillenniTEK Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

13.5.3 MillenniTEK Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)

13.5.4 MillenniTEK Main Business Overview

13.5.5 MillenniTEK Latest Developments

13.6 Ramon Science and Technology

13.6.1 Ramon Science and Technology Company Information

13.6.2 Ramon Science and Technology Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

- 13.6.3 Ramon Science and Technology Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.6.4 Ramon Science and Technology Main Business Overview
- 13.6.5 Ramon Science and Technology Latest Developments
- 13.7 Hangzhou Taofeilun
 - 13.7.1 Hangzhou Taofeilun Company Information
 - 13.7.2 Hangzhou Taofeilun Boron Carbide Neutron Absorber Material Product Portfolios and Specifications
 - 13.7.3 Hangzhou Taofeilun Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.7.4 Hangzhou Taofeilun Main Business Overview
 - 13.7.5 Hangzhou Taofeilun Latest Developments
- 13.8 Stanford Advanced Materials (Oceania International)
 - 13.8.1 Stanford Advanced Materials (Oceania International) Company Information
 - 13.8.2 Stanford Advanced Materials (Oceania International) Boron Carbide Neutron Absorber Material Product Portfolios and Specifications
 - 13.8.3 Stanford Advanced Materials (Oceania International) Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.8.4 Stanford Advanced Materials (Oceania International) Main Business Overview
 - 13.8.5 Stanford Advanced Materials (Oceania International) Latest Developments
- 13.9 Sea Dragon Hecai Technology(Jiangsu)
 - 13.9.1 Sea Dragon Hecai Technology(Jiangsu) Company Information
 - 13.9.2 Sea Dragon Hecai Technology(Jiangsu) Boron Carbide Neutron Absorber Material Product Portfolios and Specifications
 - 13.9.3 Sea Dragon Hecai Technology(Jiangsu) Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.9.4 Sea Dragon Hecai Technology(Jiangsu) Main Business Overview
 - 13.9.5 Sea Dragon Hecai Technology(Jiangsu) Latest Developments
- 13.10 Baoding Borda New Material Technology
 - 13.10.1 Baoding Borda New Material Technology Company Information
 - 13.10.2 Baoding Borda New Material Technology Boron Carbide Neutron Absorber Material Product Portfolios and Specifications
 - 13.10.3 Baoding Borda New Material Technology Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)
 - 13.10.4 Baoding Borda New Material Technology Main Business Overview
 - 13.10.5 Baoding Borda New Material Technology Latest Developments
- 13.11 Trumony Aluminum
 - 13.11.1 Trumony Aluminum Company Information
 - 13.11.2 Trumony Aluminum Boron Carbide Neutron Absorber Material Product

Portfolios and Specifications

13.11.3 Trumony Aluminum Boron Carbide Neutron Absorber Material Sales, Revenue, Price and Gross Margin (2019-2024)

13.11.4 Trumony Aluminum Main Business Overview

13.11.5 Trumony Aluminum Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

- Table 1. Boron Carbide Neutron Absorber Material Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Table 2. Boron Carbide Neutron Absorber Material Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)
- Table 3. Major Players of Aluminum Boron Carbide
- Table 4. Major Players of Boron Carbide
- Table 5. Global Boron Carbide Neutron Absorber Material Sales by Type (2019-2024) & (Tons)
- Table 6. Global Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)
- Table 7. Global Boron Carbide Neutron Absorber Material Revenue by Type (2019-2024) & (\$ million)
- Table 8. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Type (2019-2024)
- Table 9. Global Boron Carbide Neutron Absorber Material Sale Price by Type (2019-2024) & (K US\$/Ton)
- Table 10. Global Boron Carbide Neutron Absorber Material Sale by Application (2019-2024) & (Tons)
- Table 11. Global Boron Carbide Neutron Absorber Material Sale Market Share by Application (2019-2024)
- Table 12. Global Boron Carbide Neutron Absorber Material Revenue by Application (2019-2024) & (\$ million)
- Table 13. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Application (2019-2024)
- Table 14. Global Boron Carbide Neutron Absorber Material Sale Price by Application (2019-2024) & (K US\$/Ton)
- Table 15. Global Boron Carbide Neutron Absorber Material Sales by Company (2019-2024) & (Tons)
- Table 16. Global Boron Carbide Neutron Absorber Material Sales Market Share by Company (2019-2024)
- Table 17. Global Boron Carbide Neutron Absorber Material Revenue by Company (2019-2024) & (\$ millions)
- Table 18. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Company (2019-2024)
- Table 19. Global Boron Carbide Neutron Absorber Material Sale Price by Company

(2019-2024) & (K US\$/Ton)

Table 20. Key Manufacturers Boron Carbide Neutron Absorber Material Producing Area Distribution and Sales Area

Table 21. Players Boron Carbide Neutron Absorber Material Products Offered

Table 22. Boron Carbide Neutron Absorber Material Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Boron Carbide Neutron Absorber Material Sales by Geographic Region (2019-2024) & (Tons)

Table 26. Global Boron Carbide Neutron Absorber Material Sales Market Share Geographic Region (2019-2024)

Table 27. Global Boron Carbide Neutron Absorber Material Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Boron Carbide Neutron Absorber Material Sales by Country/Region (2019-2024) & (Tons)

Table 30. Global Boron Carbide Neutron Absorber Material Sales Market Share by Country/Region (2019-2024)

Table 31. Global Boron Carbide Neutron Absorber Material Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Boron Carbide Neutron Absorber Material Sales by Country (2019-2024) & (Tons)

Table 34. Americas Boron Carbide Neutron Absorber Material Sales Market Share by Country (2019-2024)

Table 35. Americas Boron Carbide Neutron Absorber Material Revenue by Country (2019-2024) & (\$ millions)

Table 36. Americas Boron Carbide Neutron Absorber Material Sales by Type (2019-2024) & (Tons)

Table 37. Americas Boron Carbide Neutron Absorber Material Sales by Application (2019-2024) & (Tons)

Table 38. APAC Boron Carbide Neutron Absorber Material Sales by Region (2019-2024) & (Tons)

Table 39. APAC Boron Carbide Neutron Absorber Material Sales Market Share by Region (2019-2024)

Table 40. APAC Boron Carbide Neutron Absorber Material Revenue by Region

(2019-2024) & (\$ millions)

Table 41. APAC Boron Carbide Neutron Absorber Material Sales by Type (2019-2024) & (Tons)

Table 42. APAC Boron Carbide Neutron Absorber Material Sales by Application (2019-2024) & (Tons)

Table 43. Europe Boron Carbide Neutron Absorber Material Sales by Country (2019-2024) & (Tons)

Table 44. Europe Boron Carbide Neutron Absorber Material Revenue by Country (2019-2024) & (\$ millions)

Table 45. Europe Boron Carbide Neutron Absorber Material Sales by Type (2019-2024) & (Tons)

Table 46. Europe Boron Carbide Neutron Absorber Material Sales by Application (2019-2024) & (Tons)

Table 47. Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Country (2019-2024) & (Tons)

Table 48. Middle East & Africa Boron Carbide Neutron Absorber Material Revenue Market Share by Country (2019-2024)

Table 49. Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Type (2019-2024) & (Tons)

Table 50. Middle East & Africa Boron Carbide Neutron Absorber Material Sales by Application (2019-2024) & (Tons)

Table 51. Key Market Drivers & Growth Opportunities of Boron Carbide Neutron Absorber Material

Table 52. Key Market Challenges & Risks of Boron Carbide Neutron Absorber Material

Table 53. Key Industry Trends of Boron Carbide Neutron Absorber Material

Table 54. Boron Carbide Neutron Absorber Material Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Boron Carbide Neutron Absorber Material Distributors List

Table 57. Boron Carbide Neutron Absorber Material Customer List

Table 58. Global Boron Carbide Neutron Absorber Material Sales Forecast by Region (2025-2030) & (Tons)

Table 59. Global Boron Carbide Neutron Absorber Material Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 60. Americas Boron Carbide Neutron Absorber Material Sales Forecast by Country (2025-2030) & (Tons)

Table 61. Americas Boron Carbide Neutron Absorber Material Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 62. APAC Boron Carbide Neutron Absorber Material Sales Forecast by Region (2025-2030) & (Tons)

Table 63. APAC Boron Carbide Neutron Absorber Material Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 64. Europe Boron Carbide Neutron Absorber Material Sales Forecast by Country (2025-2030) & (Tons)

Table 65. Europe Boron Carbide Neutron Absorber Material Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 66. Middle East & Africa Boron Carbide Neutron Absorber Material Sales Forecast by Country (2025-2030) & (Tons)

Table 67. Middle East & Africa Boron Carbide Neutron Absorber Material Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. Global Boron Carbide Neutron Absorber Material Sales Forecast by Type (2025-2030) & (Tons)

Table 69. Global Boron Carbide Neutron Absorber Material Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 70. Global Boron Carbide Neutron Absorber Material Sales Forecast by Application (2025-2030) & (Tons)

Table 71. Global Boron Carbide Neutron Absorber Material Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 72. 3M Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 73. 3M Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 74. 3M Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 75. 3M Main Business

Table 76. 3M Latest Developments

Table 77. Holtec International Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 78. Holtec International Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 79. Holtec International Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 80. Holtec International Main Business

Table 81. Holtec International Latest Developments

Table 82. Nikkeikin Aluminium Core Technology Company Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 83. Nikkeikin Aluminium Core Technology Company Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 84. Nikkeikin Aluminium Core Technology Company Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 85. Nikkeikin Aluminium Core Technology Company Main Business

Table 86. Nikkeikin Aluminium Core Technology Company Latest Developments

Table 87. Antai-heyuan Nuclear Energy Technology & Materials Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 88. Antai-heyuan Nuclear Energy Technology & Materials Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 89. Antai-heyuan Nuclear Energy Technology & Materials Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 90. Antai-heyuan Nuclear Energy Technology & Materials Main Business

Table 91. Antai-heyuan Nuclear Energy Technology & Materials Latest Developments

Table 92. MillenniTEK Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 93. MillenniTEK Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 94. MillenniTEK Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 95. MillenniTEK Main Business

Table 96. MillenniTEK Latest Developments

Table 97. Ramon Science and Technology Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 98. Ramon Science and Technology Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 99. Ramon Science and Technology Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 100. Ramon Science and Technology Main Business

Table 101. Ramon Science and Technology Latest Developments

Table 102. Hangzhou Taofeilun Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 103. Hangzhou Taofeilun Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 104. Hangzhou Taofeilun Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 105. Hangzhou Taofeilun Main Business

Table 106. Hangzhou Taofeilun Latest Developments

Table 107. Stanford Advanced Materials (Oceania International) Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 108. Stanford Advanced Materials (Oceania International) Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 109. Stanford Advanced Materials (Oceania International) Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 110. Stanford Advanced Materials (Oceania International) Main Business

Table 111. Stanford Advanced Materials (Oceania International) Latest Developments

Table 112. Sea Dragon Hecai Technology(Jiangsu) Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 113. Sea Dragon Hecai Technology(Jiangsu) Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 114. Sea Dragon Hecai Technology(Jiangsu) Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 115. Sea Dragon Hecai Technology(Jiangsu) Main Business

Table 116. Sea Dragon Hecai Technology(Jiangsu) Latest Developments

Table 117. Baoding Borda New Material Technology Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 118. Baoding Borda New Material Technology Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 119. Baoding Borda New Material Technology Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 120. Baoding Borda New Material Technology Main Business

Table 121. Baoding Borda New Material Technology Latest Developments

Table 122. Trumony Aluminum Basic Information, Boron Carbide Neutron Absorber Material Manufacturing Base, Sales Area and Its Competitors

Table 123. Trumony Aluminum Boron Carbide Neutron Absorber Material Product Portfolios and Specifications

Table 124. Trumony Aluminum Boron Carbide Neutron Absorber Material Sales (Tons), Revenue (\$ Million), Price (K US\$/Ton) and Gross Margin (2019-2024)

Table 125. Trumony Aluminum Main Business

Table 126. Trumony Aluminum Latest Developments

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Boron Carbide Neutron Absorber Material

Figure 2. Boron Carbide Neutron Absorber Material Report Years Considered

Figure 3. Research Objectives

Figure 4. Research Methodology

Figure 5. Research Process and Data Source

Figure 6. Global Boron Carbide Neutron Absorber Material Sales Growth Rate 2019-2030 (Tons)

Figure 7. Global Boron Carbide Neutron Absorber Material Revenue Growth Rate 2019-2030 (\$ millions)

Figure 8. Boron Carbide Neutron Absorber Material Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Figure 9. Boron Carbide Neutron Absorber Material Sales Market Share by Country/Region (2023)

Figure 10. Boron Carbide Neutron Absorber Material Sales Market Share by Country/Region (2019, 2023 & 2030)

Figure 11. Product Picture of Aluminum Boron Carbide

Figure 12. Product Picture of Boron Carbide

Figure 13. Global Boron Carbide Neutron Absorber Material Sales Market Share by Type in 2023

Figure 14. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Type (2019-2024)

Figure 15. Boron Carbide Neutron Absorber Material Consumed in Spent Fuel Storage Racks

Figure 16. Global Boron Carbide Neutron Absorber Material Market: Spent Fuel Storage Racks (2019-2024) & (Tons)

Figure 17. Boron Carbide Neutron Absorber Material Consumed in Storage and Transportation Casks

Figure 18. Global Boron Carbide Neutron Absorber Material Market: Storage and Transportation Casks (2019-2024) & (Tons)

Figure 19. Boron Carbide Neutron Absorber Material Consumed in Others

Figure 20. Global Boron Carbide Neutron Absorber Material Market: Others (2019-2024) & (Tons)

Figure 21. Global Boron Carbide Neutron Absorber Material Sale Market Share by Application (2023)

Figure 22. Global Boron Carbide Neutron Absorber Material Revenue Market Share by

Application in 2023

Figure 23. Boron Carbide Neutron Absorber Material Sales by Company in 2023 (Tons)

Figure 24. Global Boron Carbide Neutron Absorber Material Sales Market Share by Company in 2023

Figure 25. Boron Carbide Neutron Absorber Material Revenue by Company in 2023 (\$ millions)

Figure 26. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Company in 2023

Figure 27. Global Boron Carbide Neutron Absorber Material Sales Market Share by Geographic Region (2019-2024)

Figure 28. Global Boron Carbide Neutron Absorber Material Revenue Market Share by Geographic Region in 2023

Figure 29. Americas Boron Carbide Neutron Absorber Material Sales 2019-2024 (Tons)

Figure 30. Americas Boron Carbide Neutron Absorber Material Revenue 2019-2024 (\$ millions)

Figure 31. APAC Boron Carbide Neutron Absorber Material Sales 2019-2024 (Tons)

Figure 32. APAC Boron Carbide Neutron Absorber Material Revenue 2019-2024 (\$ millions)

Figure 33. Europe Boron Carbide Neutron Absorber Material Sales 2019-2024 (Tons)

Figure 34. Europe Boron Carbide Neutron Absorber Material Revenue 2019-2024 (\$ millions)

Figure 35. Middle East & Africa Boron Carbide Neutron Absorber Material Sales 2019-2024 (Tons)

Figure 36. Middle East & Africa Boron Carbide Neutron Absorber Material Revenue 2019-2024 (\$ millions)

Figure 37. Americas Boron Carbide Neutron Absorber Material Sales Market Share by Country in 2023

Figure 38. Americas Boron Carbide Neutron Absorber Material Revenue Market Share by Country (2019-2024)

Figure 39. Americas Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)

Figure 40. Americas Boron Carbide Neutron Absorber Material Sales Market Share by Application (2019-2024)

Figure 41. United States Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 42. Canada Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 43. Mexico Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 44. Brazil Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 45. APAC Boron Carbide Neutron Absorber Material Sales Market Share by Region in 2023

Figure 46. APAC Boron Carbide Neutron Absorber Material Revenue Market Share by Region (2019-2024)

Figure 47. APAC Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)

Figure 48. APAC Boron Carbide Neutron Absorber Material Sales Market Share by Application (2019-2024)

Figure 49. China Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 50. Japan Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 51. South Korea Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 52. Southeast Asia Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 53. India Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 54. Australia Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 55. China Taiwan Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 56. Europe Boron Carbide Neutron Absorber Material Sales Market Share by Country in 2023

Figure 57. Europe Boron Carbide Neutron Absorber Material Revenue Market Share by Country (2019-2024)

Figure 58. Europe Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)

Figure 59. Europe Boron Carbide Neutron Absorber Material Sales Market Share by Application (2019-2024)

Figure 60. Germany Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 61. France Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 62. UK Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 63. Italy Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024

(\$ millions)

Figure 64. Russia Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 65. Middle East & Africa Boron Carbide Neutron Absorber Material Sales Market Share by Country (2019-2024)

Figure 66. Middle East & Africa Boron Carbide Neutron Absorber Material Sales Market Share by Type (2019-2024)

Figure 67. Middle East & Africa Boron Carbide Neutron Absorber Material Sales Market Share by Application (2019-2024)

Figure 68. Egypt Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 69. South Africa Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 70. Israel Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 71. Turkey Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 72. GCC Countries Boron Carbide Neutron Absorber Material Revenue Growth 2019-2024 (\$ millions)

Figure 73. Manufacturing Cost Structure Analysis of Boron Carbide Neutron Absorber Material in 2023

Figure 74. Manufacturing Process Analysis of Boron Carbide Neutron Absorber Material

Figure 75. Industry Chain Structure of Boron Carbide Neutron Absorber Material

Figure 76. Channels of Distribution

Figure 77. Global Boron Carbide Neutron Absorber Material Sales Market Forecast by Region (2025-2030)

Figure 78. Global Boron Carbide Neutron Absorber Material Revenue Market Share Forecast by Region (2025-2030)

Figure 79. Global Boron Carbide Neutron Absorber Material Sales Market Share Forecast by Type (2025-2030)

Figure 80. Global Boron Carbide Neutron Absorber Material Revenue Market Share Forecast by Type (2025-2030)

Figure 81. Global Boron Carbide Neutron Absorber Material Sales Market Share Forecast by Application (2025-2030)

Figure 82. Global Boron Carbide Neutron Absorber Material Revenue Market Share Forecast by Application (2025-2030)

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