

# Global Boron Carbide Neutron Absorber Material Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Boron Carbide Neutron Absorber Material market size was valued at US\$ 233 million in 2025 and is forecast to a readjusted size of US\$ 327 million by 2032 with a CAGR of 5.0% during review period.

Global key players of Boron Carbide Neutron Absorber Material include 3M, Holtec International, Nikkeikin Aluminium Core Technology Company, Saint-Gobain, Fiven (Kymera International), etc. The top five players hold a share about 62%. Asia-Pacific is the largest market, and has a share about 37%, followed by North America and Europe with share 32% and 25%, separately. In terms of product type, Boron Carbide is the largest segment, accounting for a share of 59%. In terms of application, Spent Fuel Storage Racks is the largest field with a share about 35 percent.

This report is a detailed and comprehensive analysis for global Boron Carbide Neutron Absorber Material market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### Key Features:

Global Boron Carbide Neutron Absorber Material market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices

(US\$/Ton), 2021-2032

Global Boron Carbide Neutron Absorber Material market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Boron Carbide Neutron Absorber Material market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Boron Carbide Neutron Absorber Material market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Boron Carbide Neutron Absorber Material
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Boron Carbide Neutron Absorber Material market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include 3M, Holtec International, Nikkeikin Aluminium Core Technology Company, Saint-Gobain, Fiven (Kymera International), Antai-heyuan Nuclear Energy Technology & Materials, Baoding Borda New Material Technology, MillenniTEK, Zhengzhou Haixu Abrasive, Ramon Science and Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Boron Carbide Neutron Absorber Material market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

## Market segment by Type

Boron Carbide-Aluminum

Boron Carbide

Others

## Market segment by Application

Spent Fuel Storage Racks

Storage and Transportation Casks

Medical

Research

Others

## Major players covered

3M

Holtec International

Nikkeikin Aluminium Core Technology Company

Saint-Gobain

Fiven (Kymera International)

Antai-heyuan Nuclear Energy Technology & Materials

Baoding Borda New Material Technology

MillenniTEK

Zhengzhou Haixu Abrasive

Ramon Science and Technology

Hangzhou Taofeilun

Stanford Advanced Materials (Oceania International)

Jiangsu Hailong Nuclear Technology

Trumony Aluminum

Market segment by region, regional analysis covers  
North America (United States, Canada, and Mexico)  
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)  
South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Boron Carbide Neutron Absorber Material product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Boron Carbide Neutron Absorber Material, with price, sales quantity, revenue, and global market share of Boron Carbide Neutron Absorber Material from 2021 to 2026.

Chapter 3, the Boron Carbide Neutron Absorber Material competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Boron Carbide Neutron Absorber Material breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Boron Carbide Neutron Absorber Material market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Boron Carbide Neutron Absorber Material.

Chapter 14 and 15, to describe Boron Carbide Neutron Absorber Material sales channel, distributors, customers, research findings and conclusion.

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