

Global Boron-based Neutron Absorber Material Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G5FC40ABC493EN.html>

Date: December 2023

Pages: 119

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

ID: G5FC40ABC493EN

Abstracts

The global Boron-based Neutron Absorber Material market size is expected to reach \$ 247.4 million by 2029, rising at a market growth of 5.1% CAGR during the forecast period (2023-2029).

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.

This report studies the global Boron-based Neutron Absorber Material production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Boron-based Neutron Absorber 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 Boron-based Neutron Absorber Material that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Boron-based Neutron Absorber Material total production and demand, 2018-2029, (Tons)

Global Boron-based Neutron Absorber Material total production value, 2018-2029, (USD Million)

Global Boron-based Neutron Absorber Material production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Boron-based Neutron Absorber Material consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Boron-based Neutron Absorber Material domestic production, consumption, key domestic manufacturers and share

Global Boron-based Neutron Absorber Material production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Boron-based Neutron Absorber Material production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Boron-based Neutron Absorber Material production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global Boron-based Neutron Absorber 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 3M, Holtec International, Nikkeikin Aluminium Core Technology Company, Rochling, Nippon Yakin Kogyo, Antai-heyuan Nuclear Energy Technology & Materials, MillenniTEK, Ramon Science and Technology and Lemer Pax, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Boron-based Neutron Absorber Material market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) 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 Boron-based Neutron Absorber Material Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Boron-based Neutron Absorber Material Market, Segmentation by Type

Boron-Stainless Steel

Boron Carbide

Boron Carbide-Aluminum Composite

Others

Global Boron-based Neutron Absorber Material Market, Segmentation by Application

Spent Fuel Storage Racks

Storage and Transportation Casks

Others

Companies Profiled:

3M

Holtec International

Nikkeikin Aluminium Core Technology Company

Rochling

Nippon Yakin Kogyo

Antai-heyuan Nuclear Energy Technology & Materials

MillenniTEK

Ramon Science and Technology

Lemer Pax

Hangzhou Taofeilun

Stanford Advanced Materials (Oceania International)

Jiangsu Hailong Nuclear Technology

Trumony Aluminum

Key Questions Answered

1. How big is the global Boron-based Neutron Absorber Material market?
2. What is the demand of the global Boron-based Neutron Absorber Material market?
3. What is the year over year growth of the global Boron-based Neutron Absorber Material market?

4. What is the production and production value of the global Boron-based Neutron Absorber Material market?

5. Who are the key producers in the global Boron-based Neutron Absorber Material market?

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