

Global Aluminum-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.

Aluminum-boron carbide neutron absorber material is a new type of aluminum-based composite material formed by adding B4C particles to an aluminum matrix.

The global Aluminum-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 “Aluminum-Boron Carbide Neutron Absorber Material Industry Forecast” looks at past sales and reviews total world Aluminum-Boron Carbide Neutron Absorber Material sales in 2023, providing a comprehensive analysis by region and market sector of projected Aluminum-Boron Carbide Neutron Absorber Material sales for 2024 through 2030. With Aluminum-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 Aluminum-Boron Carbide Neutron Absorber Material industry.

This Insight Report provides a comprehensive analysis of the global Aluminum-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 Aluminum-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 Aluminum-Boron Carbide Neutron Absorber Material market.

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

United States market for Aluminum-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 Aluminum-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 Aluminum-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 Aluminum-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 Aluminum-Boron Carbide Neutron Absorber Material market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Aluminum Alloy Matrix

Alumina Matrix

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 Aluminum-Boron Carbide Neutron Absorber Material market?

What factors are driving Aluminum-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 Aluminum-Boron Carbide Neutron Absorber Material market opportunities vary by end market size?

How does Aluminum-Boron Carbide Neutron Absorber Material break out by Type, by Application?

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