

# Global Neutron Absorber Material Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Neutron Absorber Material market size will reach 216.11 Million USD in 2025 and is projected to reach 308.58 Million USD by 2032, with a CAGR of 5.22% (2025-2032). Notably, the China Neutron Absorber Material market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

A Radio Direction Finder (RDF) is an electronic device used to determine the direction from which a radio signal is being transmitted. It operates by capturing radio waves with an antenna and using techniques such as phase comparison or amplitude comparison to ascertain the signal's direction. RDFs are essential in navigation, search and rescue operations, and military applications, where they help locate the source of a transmission, whether it be a distress signal, an enemy transmitter, or a navigational beacon. Modern RDF systems can integrate with other technologies like GPS for enhanced accuracy and functionality.

The major global manufacturers of Neutron Absorber Material include 3M, Holtec International, Nikkeikin Aluminium Core Technology Company, Nippon Yakin Kogyo, MillenniTEK, Lemer Pax, Jiangsu Hailong Nuclear Technology, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate

significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Neutron Absorber Material. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Neutron Absorber Material market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Neutron Absorber Material market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Neutron Absorber Material industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Neutron Absorber Material Include:

3M

Holtec International

Nikkeikin Aluminium Core Technology Company

Nippon Yakin Kogyo

MillenniTEK

Lemer Pax

Jiangsu Hailong Nuclear Technology

Neutron Absorber Material Product Segment Include:

Boron–stainless Steel Alloy

Boron-aluminum Alloy

Boron Carbide-aluminum Composites

Others

Neutron Absorber Material Product Application Include:

Spent-fuel Storage Racks

Storage and Transportation Casks

Others

## **Chapter Scope**

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