

Global Boron Nitride Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Boron Nitride market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Boron Nitride 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

Boron nitride is a compound composed of boron and nitrogen atoms, with a chemical formula of BN. It exists in several different forms, including hexagonal boron nitride (h-BN) and cubic boron nitride (c-BN), each with distinct properties. Hexagonal boron nitride resembles graphite in structure and is often referred to as "white graphite." It exhibits excellent thermal stability, high electrical resistance, low friction, and good lubricating properties. Hexagonal boron nitride is used as a high-temperature lubricant, a mold release agent, a thermal insulator, and a component in ceramics, composites, and electronic devices. Cubic boron nitride, on the other hand, is a superhard material and is second only to diamond in hardness. It is often used as an abrasive in cutting tools, grinding wheels, and machining applications where high precision and wear resistance are required. Overall, boron nitride is a versatile compound with unique properties that find applications in various industries, ranging from electronics and aerospace to automotive and manufacturing.

The major global manufacturers of Boron Nitride include 3M Company, Saint-Gobain, Ceradyne, Momentive, H.C.Starck, UK Abrasives, Denka, Henze, Shin-Etsu Chemical,

Showa Denko Group, Xinfukang, Qingzhou Fangyuan, DCEI, Zibo Jonye Ceramic Technologies, Yingkou Liaobin, QingZhouMaTeKeChang Materials, Sandvik Hyperion, ESK Ceramics, 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 Boron Nitride. 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 Boron Nitride 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 Boron Nitride 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 Boron Nitride 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 Boron Nitride Include:

3M Company

Saint-Gobain

Ceradyne

Momentive

H.C.Starck

UK Abrasives

Denka

Henze

Shin-Etsu Chemical

Showa Denko Group

Xinfukang

Qingzhou Fangyuan

DCEI

Zibo Jonye Ceramic Technologies

YingKou Liaobin

QingZhouMaTeKeChang Materials

Sandvik Hyperion

ESK Ceramics

Boron Nitride Product Segment Include:

Hexagonal Boron Nitride (HBN)

Cubic boron nitride (CBN)

Wurtzite Boron Nitride (WBN)

Boron Nitride Product Application Include:

Lubricant

Abrasive

Semiconductor Devices

Plastic Additive

Electronics

Aerospace

Other

Chapter Scope

Chapter 1: Product Research Range, Product Types and Applications, Market Overview, Market Situation and Trends

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