

# Global High-purity Amorphous Boron Market Growth 2025-2031

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## Abstracts

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The global High-purity Amorphous Boron market size is predicted to grow from US\$ 329 million in 2025 to US\$ 395 million in 2031; it is expected to grow at a CAGR of 3.1% from 2025 to 2031.

High purity amorphous boron powder is black whereas impure samples have a brown appearance. Due to its special combination of properties as well as the ability to absorb neutrons, large quantities of amorphous boron are used in pyrotechnics. For example, it is to be used as an additive in solid-fuel rocket propellant and explosives, in initiators for airbags and belt pre-tensioners, and as an additive in pyrotechnical mixtures. In addition, as a powerful reducing agent it can also be added to certain soldering agents as a flux or additive. Other application areas include the manufacture of high-purity metal borides and use as a sintering additive for silicon carbide high-performance ceramics.

Global High-purity Amorphous Boron key players include SB Boron, H.C. Starck GmbH, SkySpring Nanomaterials, Inc., CRS Chemicals, etc.

In terms of product, 95%-99% is the largest segment, with a share about 50%. And in terms of application, the largest application is Industrial field, followed by Aerospace and the military field, etc.

LP Information, Inc. (LPI) ' newest research report, the "High-purity Amorphous Boron Industry Forecast" looks at past sales and reviews total world High-purity Amorphous Boron sales in 2024, providing a comprehensive analysis by region and market sector

of projected High-purity Amorphous Boron sales for 2025 through 2031. With High-purity Amorphous Boron sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High-purity Amorphous Boron industry.

This Insight Report provides a comprehensive analysis of the global High-purity Amorphous Boron 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 High-purity Amorphous Boron portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High-purity Amorphous Boron market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High-purity Amorphous Boron 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 High-purity Amorphous Boron.

This report presents a comprehensive overview, market shares, and growth opportunities of High-purity Amorphous Boron market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

92%-95%

95%-99%

Over 99%

Others

#### Segmentation by Application:

Industrial Field

Aerospace And The Military Field

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.

SB Boron

H.C. Starck GmbH

SkySpring Nanomaterials, Inc.

CRS Chemicals

Baoding Zhongpuruituo Technology

New Metals and Chemicals Ltd.

Yingkou Tanyun Chemical Research Institute Corporation

Noah Technologies Corporation

YingKou Liaobin Fine Chemicals

Dandong Chemical Engineering Institute (DCEI)

Liaoning Pengda Technology

Tangshan Weihao Magnesium Powder

### Key Questions Addressed in this Report

What is the 10-year outlook for the global High-purity Amorphous Boron market?

What factors are driving High-purity Amorphous Boron market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do High-purity Amorphous Boron market opportunities vary by end market size?

How does High-purity Amorphous Boron break out by Type, by Application?

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