

# Metallic Boride Powder Market to Rise at CAGR of 5.2% to Reach US\$ 3,349 Million by 2035 | Fact.MR Study

*Growing Demand for Boride Powder Products Across Various Industries is Driving the Market*

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According to Fact.MR, a market

research and competitive intelligence provider, the global [metallic boride powder market](#) is estimated to reach a valuation of USD 2,017 million in 2025 and is expected to grow at a CAGR of 5.2% during the forecast period (2025 to 2035).



Metallic boride (such as titanium boride, zirconium boride, and hafnium boride) are ultra-high temperature ceramics with exceptional properties such as high-hardness, wear resistance, thermal stability, and electrical conductivity. These qualities make them invaluable in demanding applications where conventional material fail.

Industries dealing with abrasive environments increasingly use boride-based coatings and components to extend equipment lifespan and reduce maintenance costs in applications such as cutting tools, grinding media, and wear-resistant parts.

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## Key Takeaways from Market Study

The global Metallic Boride Powder Market is projected to grow at 2% CAGR and reach USD 3,349 million by 2035

The market created an absolute \$ opportunity of USD 1,332 million between 2025 to 2035

North America is a prominent region that is estimated to hold a market share of 6% in 2035

Silicon carbide is estimated to grow at a CAGR of 5.5% creating an absolute \$ opportunity of USD 400.3 million between 2025 and 2035

North America and East Asia are expected to create an absolute \$ opportunity of USD 772.9 million collectively

“Environmental awareness, adoption across various industries, and technological advancement in manufacturing process will drive the market” says a Fact.MR analyst.

## Leading Players Driving Innovation in the Metallic Boride Powder Market

Key players in the Metallic Boride Powder market are ABSCO Limite, American Elements, Atlantic Equipment Engineers, Bayville Chemical Supply Company Inc, GNP Graystar Specialty Materials, Heeger Materials, Hoganas, Hunan Fushel Technology, Metalfron, Nanochemazone, Shubhmets, and XI'AN FUNCTION MATERIAL GROUP CO., LTD.

## Market Development

Due to their hardness, chemical, and thermal resistance, borides are materials meeting the highest demands. They are used in high-temperature furnaces, turbine blades and armor plates. Improved synthesis techniques are making it easier and cheaper to synthesize metallic borides, thereby increasing their availability.

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## More Valuable Insights on Offer

Fact.MR, in its new offering, presents an unbiased analysis of the global Metallic Boride Powder Market, presenting historical data for 2020 to 2024 and forecast statistics for 2025 to 2035.

The study reveals essential insights on the basis of the Segmentation on the basis of Type (Purity Less Than 99%, and Purity More Than 99%), By Application (Metal Materials, Nuke Industry, Semiconductor, and Others), By Type of Metal Carbide (Tungsten Carbide, Silicon Carbide, Titanium Carbide, Zirconium Carbide, and Other), across major regions of the world (North America, Latin America, Western Europe, Eastern Europe, East Asia, South Asia & Pacific, and Middle East & Africa).

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The [aluminum castings market](#) is projected to expand at a 6.2% CAGR, increasing from US\$ 93.5 billion in 2023 to US\$ 171 billion by 2033.

## About Us:

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