

# 2017-2025 World High-purity Amorphous Boron Market Research Report (by Product Type, End-User/Application and Regions/Countries)

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## Abstracts

### SUMMARY

Boron can be prepared in several crystalline and amorphous forms. Well known crystalline forms are  $\alpha$ -rhombohedral,  $\beta$ -rhombohedral, and  $\gamma$ -tetragonal. In special circumstances, boron can also be synthesized in the form of its  $\delta$ -tetragonal, and  $\epsilon$ -orthorhombic allotropes. Two amorphous forms, one a finely divided powder and the other a glassy solid, are also known. Although at least 14 more allotropes have been reported, these other forms are based on tenuous evidence or have not been experimentally confirmed, or are thought to represent mixed allotropes, or boron frameworks stabilized by impurities. Whereas the  $\alpha$ -rhombohedral phase is the most stable and the others are metastable, the transformation rate is negligible at room temperature, and thus all five phases can exist at ambient conditions. Amorphous powder boron and polycrystalline rhombohedral  $\beta$ -boron are the most common forms. The latter allotrope is a very hard [n 1] grey material, about ten percent lighter than aluminium and with a melting point (2080 °C) several hundred degrees higher than that of steel.

This report includes market status and forecast of global and major regions, with introduction of vendors, regions, product types and end industries; and this report counts product types and end industries in global and major regions.

The report includes as follows:

The report provides current data, historical overview and future forecast.

The report includes an in-depth analysis of the Global market for High-purity Amorphous

Boron , covering Global total and major region markets.  
The data of 2017-2025 are included. All-inclusive market are given through data on sales, consumption, and prices (Global total and by major regions).  
The report provides introduction of leading Global manufacturers.  
High-purity Amorphous Boron market prospects to 2025 are included (in sales, consumption and price).

Market Segment as follows:

#### By Region / Countries

North America (U.S., Canada, Mexico)

Europe (Germany, U.K., France, Italy, Russia, Spain etc)

Asia-Pacific (China, India, Japan, Southeast Asia etc)

South America (Brazil, Argentina etc)

Middle East & Africa (Saudi Arabia, South Africa etc)

#### By Type

92%-95%

95%-99%

>99%

Others

#### By End-User / Application

Industrial field

Aerospace and the military field.

Others

## By Company

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

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