

# **Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) High-purity Amorphous Boron Market 2018, Forecast to 2023**

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## **Abstracts**

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.

### **Scope of the Report:**

This report focuses on the High-purity Amorphous Boron in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. First, the High-purity Amorphous Boron industry is relatively concentrated: which is due to the high barriers, (technical barriers) only limited countries are involved in the business. Major manufacturers of High-purity Amorphous Boron are mainly in US, Europe and China.

Second, the production of High-purity Amorphous Boron increases from 227.86 MT in 2011 to 271.34 MT in 2016, with an average growth rate of nearly 4%. SB Boron is the world leader, H.C. Starck GmbH is the leader in Germany, New Metals and Chemicals Ltd. is the leader in UK, Baoding Zhongpuruituo Technology is the leader in China.

Third, all manufacturers in the world are committed to the improvement of product. Currently, in High-purity Amorphous Boron industry, the American and Germany manufacturers occupy the high-end market, Chinese products survive at the bottom of the market, due to the limit of purity and metal content indicators. In recent years, some Chinese companies (such as Liaoning Pengda Technology and Tangshan Weihao Magnesium Powder) develop industrial grade High-purity Amorphous Boron products, and produce medical used High-purity Amorphous Boron products by purification.

Fourth, High-purity Amorphous Boron downstream are mainly medical and ceramic industry, solid rocket boosters, special alloy steel and catalysts industry. In recent years, the medical and special alloy steel industry has developed rapidly, the demand for High-purity Amorphous Boron will correspondingly increase.

Fifth, although sales of High-purity Amorphous Boron bring a lot of opportunities, the study group recommends the new entrants who just having money but without technical advantage, raw materials advantage and downstream support, do not enter into the High-purity Amorphous Boron field hastily.

The worldwide market for High-purity Amorphous Boron is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

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

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

92%-95%

95%-99%

99%

Others

Market Segment by Applications, can be divided into

Industrial field

Aerospace and the military field.

Others

There are 15 Chapters to deeply display the global High-purity Amorphous Boron market.

Chapter 1, to describe High-purity Amorphous Boron Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of High-purity Amorphous Boron, with sales, revenue, and price of High-purity Amorphous Boron, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of High-purity Amorphous Boron, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, High-purity Amorphous Boron market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe High-purity Amorphous Boron sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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