

# Global High-purity Amorphous Boron Sales Market Report 2018

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## Abstracts

This report studies the global High-purity Amorphous Boron market status and forecast, categorizes the global High-purity Amorphous Boron market size (value & volume) by key players, type, application, and region.

This report focuses on the top players in North America, Europe, China, Japan, Southeast Asia India and Other regions (Middle East & Africa, Central & South America).

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.

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 global High-purity Amorphous Boron market is valued at xx million US\$ in 2017 and will reach xx million US\$ by the end of 2025, growing at a CAGR of xx% during 2018-2025.

The major players covered in this report

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

Geographically, this report studies the key regions, focuses on product sales, value, market share and growth opportunity in these regions, covering

United States

Europe

China

Japan

Southeast Asia

India

We can also provide the customized separate regional or country-level reports, for the following regions:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Indonesia

Singapore

Rest of Asia-Pacific

Europe

Germany

France

UK

Italy

Spain

Russia

Rest of Europe

Central & South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Saudi Arabia

Turkey

Rest of Middle East & Africa

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

92%-95%

95%-99%

>99%

Others

On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Industrial field

Aerospace and the military field.

Others

The study objectives of this report are:

To analyze and study the global High-purity Amorphous Boron sales, value, status (2013-2017) and forecast (2018-2025);

To analyze the top players in North America, Europe, China, Japan, Southeast Asia and India, to study the sales, value and market share of top players in these regions.

Focuses on the key High-purity Amorphous Boron players, to study the sales, value, market share and development plans in future.

Focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To define, describe and forecast the market by type, application and region.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of High-purity Amorphous Boron are as follows:

History Year: 2013-2017

Base Year: 2017

Estimated Year: 2018

Forecast Year 2018 to 2025

For the data information by region, company, type and application, 2017 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

#### Key Stakeholders

High-purity Amorphous Boron Manufacturers

High-purity Amorphous Boron Distributors/Traders/Wholesalers

High-purity Amorphous Boron Subcomponent Manufacturers

Industry Association

Downstream Vendors

#### Available Customizations

With the given market data, QYResearch offers customizations according to the company's specific needs. The following customization options are available for the report:

Regional and country-level analysis of the High-purity Amorphous Boron market, by end-use.

Detailed analysis and profiles of additional market players.

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