

# Global Amorphous Elemental Boron Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Amorphous Elemental Boron market size was valued at US\$ 61.18 million in 2025 and is forecast to a readjusted size of US\$ 80.53 million by 2032 with a CAGR of 3.9% during review period.

In 2025, global Amorphous Elemental Boron production reached approximately 274 tons, with an average global market price of around US\$217 per kilogram. Amorphous elemental boron is a non-crystalline form of the element boron. It is characterized by a random and disordered arrangement of atoms, lacking the long-range order typical of crystalline materials. Usually appearing as a brownish-black powder, it has unique physical and chemical properties, such as relatively low density, poor thermal and electrical conductivity, and higher chemical reactivity than crystalline boron, which makes it useful in various applications like semiconductors and ceramics.

The amorphous elemental boron market is characterized by concentrated upstream supply controlled by a few large or state-backed mining and chemical operators, making supply sensitive to regional policy and production constraints; downstream demand is diversifying toward higher-purity, application-specific grades, prompting investment in purification, quality assurance and tailored product development and shifting the product mix toward higher value-added offerings; opportunities stem from critical-materials policy support and localization of high-tech downstream sectors (notably electronics and aerospace), which can catalyze regional value-chain integration and capability upgrades; constraints include geopolitical and environmental limits on raw-material extraction and refining, high capital and technical barriers to scale, and long development and certification cycles for high-purity products that hinder rapid capacity

expansion; recycling and substitution technologies remain nascent and unlikely to materially reduce primary raw-material dependence in the near term.

This report is a detailed and comprehensive analysis for global Amorphous Elemental Boron market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Amorphous Elemental Boron market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Amorphous Elemental Boron market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Amorphous Elemental Boron market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Kg), 2021-2032

Global Amorphous Elemental Boron market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Kg), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Amorphous Elemental Boron
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Amorphous Elemental Boron market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include H?gan?s, SB Boron, PavTec, Borman, SkySpring Nanomaterials, Noah Chemicals, Dandong Chemical Engineering

Institute, Yingkou Liaobin Fine Chemical, Liaoning Boron Technology, NewMet Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Amorphous Elemental Boron market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Purity ?85%

Purity ?90%

Purity ?95%

### Market segment by Particle Size

Micron Grade

Nano Grade

### Market segment by Magnesium Content

Magnesium 10%

### Market segment by Application

Metallurgy Industry

Automotive

Aerospace and Defense

Ceramic Industry

Others

#### Major players covered

H?gan?s

SB Boron

PavTec

Borman

SkySpring Nanomaterials

Noah Chemicals

Dandong Chemical Engineering Institute

Yingkou Liaobin Fine Chemical

Liaoning Boron Technology

NewMet Ltd

Rose Mill Company

#### Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East)

& Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Amorphous Elemental Boron product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Amorphous Elemental Boron, with price, sales quantity, revenue, and global market share of Amorphous Elemental Boron from 2021 to 2026.

Chapter 3, the Amorphous Elemental Boron competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Amorphous Elemental Boron breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Amorphous Elemental Boron market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Amorphous Elemental Boron.

Chapter 14 and 15, to describe Amorphous Elemental Boron sales channel, distributors, customers, research findings and conclusion.

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