

# Global Boron Carbide (CAS 12069-32-8) Market Insights, Forecast to 2026

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# **Abstracts**

Boron Carbide is one of the hardest materials known, ranking third behind diamond and cubic boron nitride. Boron carbide powder is mainly produced by reacting carbon with B2O3 in an electric arc furnace, through carbothermal reduction or by gas phase reactions. For commercial use B4C powders usually need to be milled and purified to remove metallic impurities. Some of Boron Carbide's unique properties include: high hardness, chemical inertness, and a high neutron absorbing cross section. China is the dominate producer of boron carbide, the production was 8248 MT in 2015, accounting for about 70.79% of the total amount, followed by Europe, with the production market share of 22.37%. China has the highest production growth rate of 4.23% from 2011 to 2015. Even though a huge space for growth in the Chinese market exists, the quality and technology should be further improved.

At present, in the foreign industrial developed countries the boron carbide industry is generally at a more advanced level, meanwhile, these companies have more advanced equipment, strong R&D capabilities; the technical level is in a leading position. In terms of revenue, leading players in boron carbide industry are 3M, Dunhua Zhengxing Abrasive, Dalian Jinma Boron Technology, JSC 'Zaporozhabrasive'. 3M is the largest manufacturer, with the revenue market share of 18.74% in 2015. The top four companies occupied about 48.68% production share of the market in 2015. Refractory materials accounted for the largest market with about 29.52% consumption share of the global boron carbide market in 2015. With over 20.82% in the boron carbide market, ballistic armour was the second largest application market in 2015. Under the influence of raw material, market competitions and economic conditions, the price of boron carbide was fluctuation in recent years and was 17251 USD/MT in2015. In the next few years, we predict that price will decline. As competition intensifies, prices gap between different brands will go narrowing.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to



almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Boron Carbide (CAS 12069-32-8) 3900 market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Boron Carbide (CAS 12069-32-8) 3900 industry.

Based on our recent survey, we have several different scenarios about the Boron Carbide (CAS 12069-32-8) 3900 YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ 219.4 million in 2019. The market size of Boron Carbide (CAS 12069-32-8) 3900 will reach xx in 2026, with a CAGR of xx% from 2020 to 2026.

With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Boron Carbide (CAS 12069-32-8) market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Boron Carbide (CAS 12069-32-8) market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Boron Carbide (CAS 12069-32-8) market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Sales and Pricing Analyses

Readers are provided with deeper sales analysis and pricing analysis for the global Boron Carbide (CAS 12069-32-8) market. As part of sales analysis, the report offers accurate statistics and figures for sales and revenue by region, by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for the price by players and price by region for the period 2015-2020 and price by each type segment for the period 2015-2020.



#### Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Boron Carbide (CAS 12069-32-8) market, covering important regions, viz, North America, Europe, China and Japan. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, UAE, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of sales for the period 2015-2026.

### **Competition Analysis**

In the competitive analysis section of the report, leading as well as prominent players of the global Boron Carbide (CAS 12069-32-8) market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020. On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Boron Carbide (CAS 12069-32-8) market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Boron Carbide (CAS 12069-32-8) market.

The following manufacturers are covered in this report:

3M

JSC 'Zaporozhabrasive'

Washington Mills

H.C. Starck

Dalian Jinma Boron Technology



Dunhua Zhengxing Abrasive Mudanjiang Qianjin Boron Carbide Zhengzhou Yingcheng Technology Songshan Special Materials Mudanjiang Chenxi Boron Carbide Songshan Boron Technology Dalian Zhengxing Abrasive Mudanjiang Hongda Boron Carbide Boron Carbide (CAS 12069-32-8) Breakdown Data by Type Micro Powder **Abrasive Powder** Boron Carbide (CAS 12069-32-8) Breakdown Data by Application **Nuclear Applications** Ballistic Armour **Nozzles Refractory Materials** Others



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