

Global Boron Carbide Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GDF38CE1B7EEN.html>

Date: September 2024

Pages: 104

Price: US\$ 3,480.00 (Single User License)

ID: GDF38CE1B7EEN

Abstracts

Boron Carbide (CAS 12069-32-8) 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.

According to our (Global Info Research) latest study, the global Boron Carbide market size was valued at US\$ 242 million in 2023 and is forecast to a readjusted size of USD 300 million by 2030 with a CAGR of 2.9% during review period.

Global core manufacturers of Boron Carbide include 3M, Washington Mills, Dunhua Zhengxing Abrasive, Mudanjiang Qianjin Boron Carbide and Songshan Boron Technology. Asia-Pacific is the largest consumption region, accounting for approximately 46% of the global market. In terms of type, abrasive powder is the largest market segment, with a share of more than 59%. In terms of application, the largest application is abrasive, with a share of approximately 28%.

This report is a detailed and comprehensive analysis for global Boron Carbide 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 2024, are provided.

Key Features:

Global Boron Carbide market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Boron Carbide market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Boron Carbide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2019-2030

Global Boron Carbide market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2019-2024

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 Boron Carbide

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 Boron Carbide 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 3M, Washington Mills, Dunhua Zhengxing Abrasive, Mudanjiang Qianjin Boron Carbide, Songshan Boron Technology, Dalian Zhengxing Abrasive, Mudanjiang Hongda Boron Carbide, TRBOR, etc.

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

Market Segmentation

Boron Carbide market is split by Type and by Application. For the period 2019-2030, 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

Abrasive Powder

Micro Powder

Market segment by Application

Abrasives

Military

Nuclear Applications

Refractory Materials

Others

Major players covered

3M

Washington Mills

Dunhua Zhengxing Abrasive

Mudanjiang Qianjin Boron Carbide

Songshan Boron Technology

Dalian Zhengxing Abrasive

Mudanjiang Hongda Boron Carbide

TRBOR

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 Boron Carbide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Boron Carbide, with price, sales quantity, revenue, and global market share of Boron Carbide from 2019 to 2024.

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

Chapter 4, the Boron Carbide breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Boron Carbide market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Boron Carbide.

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

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