

Global Boron Oxide Particles Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Boron Oxide Particles market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Boron oxide particles are tiny particulate matter composed of boron oxide (B₂O₃) molecules. Boron oxide particles usually have the characteristics of high purity, high temperature stability and good chemical stability, so they have been widely used in the fields of material science, chemical industry, and electronics industry. The preparation methods of boron oxide particles are various, including sol-gel method, hydrothermal method, high temperature synthesis method and so on. Among them, the sol-gel method is a commonly used preparation method, and its basic steps include: first, dissolving boron sources such as boric acid or borate in an appropriate solvent to form a solution; then, adding an appropriate amount of alkaline or acidic Catalyst to make the solution undergo a gelation reaction; finally, the gel body is dried and calcined to obtain boron oxide particles. Boron oxide particles can be used in a wide range of applications, for example, they can be used to prepare materials such as ceramics, glass, and coatings, and can also be used to prepare special materials such as high-temperature lubricants and electronic ceramics. In addition, boron oxide particles can also be used to prepare catalysts, biomedical materials, etc.

This report studies the global Boron Oxide Particles production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Boron Oxide Particles, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Boron Oxide Particles that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Boron Oxide Particles total production and demand, 2018-2029, (Tons)

Global Boron Oxide Particles total production value, 2018-2029, (USD Million)

Global Boron Oxide Particles production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Boron Oxide Particles consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Boron Oxide Particles domestic production, consumption, key domestic manufacturers and share

Global Boron Oxide Particles production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Boron Oxide Particles production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Boron Oxide Particles production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Boron Oxide Particles market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SkySpring Nanomaterials, Inc., US Research Nanomaterials, Inc., Eprui Nanoparticles & Microspheres Co. Ltd., Nanostructured & Amorphous Materials, Inc., American Elements, Avantor, Materion Corporation, Skyrun Industrial Co. Ltd. and Shanghai Macklin Biochemical Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Boron Oxide Particles market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Boron Oxide Particles Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Boron Oxide Particles Market, Segmentation by Type

Nano Boron Oxide Particles

Micron Boron Oxide Particles

Global Boron Oxide Particles Market, Segmentation by Application

Ceramic Material

Electronic Material

Optical Material

Paint Material

Companies Profiled:

SkySpring Nanomaterials, Inc.

US Research Nanomaterials, Inc.

Eprui Nanoparticles & Microspheres Co. Ltd.

Nanostructured & Amorphous Materials, Inc.

American Elements

Avantor

Materion Corporation

Skyrun Industrial Co. Ltd.

Shanghai Macklin Biochemical Co., Ltd.

Hangzhou J&H Chemical Co., Ltd.

Thermo Fisher Scientific

Santa Cruz Biotechnology, Inc.

Merck KGaA

Key Questions Answered

1. How big is the global Boron Oxide Particles market?

2. What is the demand of the global Boron Oxide Particles market?
3. What is the year over year growth of the global Boron Oxide Particles market?
4. What is the production and production value of the global Boron Oxide Particles market?
5. Who are the key producers in the global Boron Oxide Particles market?
6. What are the growth factors driving the market demand?

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