

Global Boron-10 Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Boron-10 market size is expected to reach \$ 69 million by 2029, rising at a market growth of 8.2% CAGR during the forecast period (2023-2029).

Global key players of Boron-10 include 3M, Liaoning Honghao Chemical and Stella Chemifa, etc. The top three players hold a share about 80%. 3M is the largest manufacturers of Boron-10 in the world, has a share about 45%. China is the largest market, has a share about 30%. In terms of product type, Boron 10 Acid is the largest segment, occupied for a share of about 55%, and in terms of application, Nuclear Industry has a share about 85 percent.

Boron 10 Metal (Boron-10) is a stable (non-radioactive) isotope of Boron. It is both naturally occurring and a produced by fission, as target materials and other applications. Boron Metal 10 additionally has special application in extrinsic food labeling used to determine boron metabolism. Boron Metal is also available in ultra high purity and as nanoparticles. For thin film applications it is available as rod, pellets, pieces, granules and sputtering targets and as either an ingot or powder. Boron-10 isotope, chemical formula ^{10}B , can be used in neutron counter tubes, used as shields and control rods in nuclear reactors. Boron-10 is used in boron neutron capture therapy as an experimental treatment of some brain cancers.

This report studies the global Boron-10 production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Boron-10, 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-10 that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Boron-10 total production and demand, 2018-2029, (Kg)

Global Boron-10 total production value, 2018-2029, (USD Million)

Global Boron-10 production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global Boron-10 consumption by region & country, CAGR, 2018-2029 & (Kg)

U.S. VS China: Boron-10 domestic production, consumption, key domestic manufacturers and share

Global Boron-10 production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Kg)

Global Boron-10 production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Kg)

Global Boron-10 production by Application production, value, CAGR, 2018-2029, (USD Million) & (Kg).

This reports profiles key players in the global Boron-10 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 3M, Stella Chemifa, Dalian Boronten Sci&Tech, NHTC, Liaoning Honghao Chemical, Heavy Water Board (HWB) and Shandong Chengwu Yixin, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Boron-10 market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kg) and average price (US\$/Kg) 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-10 Market, By Region:

%||%United States

%||%China

%||%Europe

%||%Japan

%||%South Korea

%||%ASEAN

%||%India

%||%Rest of World

Global Boron-10 Market, Segmentation by Type

%||%Elemental Boron 10

%||%Boron 10 Acid

%||%Others

Global Boron-10 Market, Segmentation by Application

%||%Nuclear Industry

%||%Defence Industry

%II%Medical Treatment

%II%Others

Companies Profiled:

%II%3M

%II%Stella Chemifa

%II%Dalian Boronten Sci&Tech

%II%NHTC

%II%Liaoning Honghao Chemical

%II%Heavy Water Board (HWB)

%II%Shandong Chengwu Yixin

Key Questions Answered

1. How big is the global Boron-10 market?
2. What is the demand of the global Boron-10 market?
3. What is the year over year growth of the global Boron-10 market?
4. What is the production and production value of the global Boron-10 market?
5. Who are the key producers in the global Boron-10 market?

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