

Global Pyrolytic Boron Nitride (PBN) Products Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Pyrolytic Boron Nitride (PBN) Products market size is expected to reach \$ 94 million by 2029, rising at a market growth of 4.6% CAGR during the forecast period (2023-2029).

Global key players of pyrolytic boron nitride (PBN) products include Beijing Boyu Semiconductor, Shin-Etsu Chemical, Momentive Technologies, Guojing New Material and Zhejiang Nuohua Ceramic, the top five players hold a share about 80%. Beijing Boyu Semiconductor is the largest producer, with a share of 29%. Asia-Pacific is the largest market of pyrolytic boron nitride (PBN) products, with a share about 66%, followed by North America and Europe, with shares about 6% and 26% separately. In terms of product type, PBN crucibles is the largest segment, with a share about 65%. And in terms of application, semiconductor industry is the largest application, with a share about 75 percent.

Pyrolytic boron nitride (PBN) belongs to the hexagonal crystal system and is an advanced ceramic material with a purity of 99.999%. It is resistant to acid and alkali, oxidation, good thermal conductivity, compact and machinable. It is formed by chemical vapor deposition (CVD) of ammonia and boron halides under high temperature and high vacuum conditions. It can not only prepare PBN plates, but also directly prepare PBN final products such as crucibles, boats, and coatings.

This report studies the global Pyrolytic Boron Nitride (PBN) Products production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Pyrolytic Boron Nitride (PBN) Products, 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 Pyrolytic Boron Nitride (PBN) Products that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Pyrolytic Boron Nitride (PBN) Products total production and demand, 2018-2029, (K Units)

Global Pyrolytic Boron Nitride (PBN) Products total production value, 2018-2029, (USD Million)

Global Pyrolytic Boron Nitride (PBN) Products production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Pyrolytic Boron Nitride (PBN) Products consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Pyrolytic Boron Nitride (PBN) Products domestic production, consumption, key domestic manufacturers and share

Global Pyrolytic Boron Nitride (PBN) Products production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Pyrolytic Boron Nitride (PBN) Products production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Pyrolytic Boron Nitride (PBN) Products production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Pyrolytic Boron Nitride (PBN) Products 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 Beijing Boyu Semiconductor, Shin-Etsu Chemical, Momentive Technologies, Guojing New Material, Zhejiang Nuohua Ceramic, CVT GmbH & Co. KG, Yantai HeFuxiang Ceramics, Morgan Advanced Materials and Stanford Advanced Materials, 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 Pyrolytic Boron Nitride (PBN) Products market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) 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 Pyrolytic Boron Nitride (PBN) Products Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Pyrolytic Boron Nitride (PBN) Products Market, Segmentation by Type

PBN Sheet/Plates

PBN Crucibles

PBN Heaters

PBN Boat

PBN Coating

Others

Global Pyrolytic Boron Nitride (PBN) Products Market, Segmentation by Application

Semiconductor

OLED

Others

Companies Profiled:

Beijing Boyu Semiconductor

Shin-Etsu Chemical

Momentive Technologies

Guojing New Material

Zhejiang Nuohua Ceramic

CVT GmbH & Co. KG

Yantai HeFuxiang Ceramics

Morgan Advanced Materials

Stanford Advanced Materials

Thermic Edge

Key Questions Answered

1. How big is the global Pyrolytic Boron Nitride (PBN) Products market?
2. What is the demand of the global Pyrolytic Boron Nitride (PBN) Products market?
3. What is the year over year growth of the global Pyrolytic Boron Nitride (PBN) Products market?
4. What is the production and production value of the global Pyrolytic Boron Nitride (PBN) Products market?
5. Who are the key producers in the global Pyrolytic Boron Nitride (PBN) Products market?
6. What are the growth factors driving the market demand?

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