

Global Prussian Blue Analogue Powder (PBA Powder) Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Prussian Blue Analogue Powder (PBA Powder) market size is expected to reach \$ 1482 million by 2032, rising at a market growth of 9.8% CAGR during the forecast period (2026-2032).

Prussian blue analogue powder refers to a broad category of coordination polymer powders with the same or similar crystal structures as classic Prussian blue. The core demand primarily stems from next-generation energy storage technologies, especially the industrialization of sodium-ion batteries. Driving forces include the need to replace scarce lithium resources, the pursuit of low-cost, large-scale energy storage solutions, and the requirements for safety and cycle life in specific fields (such as two-wheeled vehicles, low-speed electric vehicles, and energy storage power stations). The upstream supply chain mainly consists of chemical raw material suppliers, providing metal salts such as cyanide, iron, manganese, nickel, and cobalt, as well as sodium and potassium sources required for synthesis. Downstream, it directly connects with cathode material manufacturers and battery manufacturers, ultimately applying the powder to power batteries, energy storage battery systems, and other fields. In 2025, the production of Prussian blue analogue powder is estimated at approximately 150 tons, with an average selling price of approximately US\$5,000/kg, a gross profit margin of approximately 35%, and a single-line capacity of approximately 2 tons/year.

This report studies the global Prussian Blue Analogue Powder (PBA Powder) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Prussian Blue Analogue Powder (PBA Powder) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores

demand trends and competition, as well as details the characteristics of Prussian Blue Analogue Powder (PBA Powder) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Prussian Blue Analogue Powder (PBA Powder) total production and demand, 2021-2032, (Tons)

Global Prussian Blue Analogue Powder (PBA Powder) total production value, 2021-2032, (USD Million)

Global Prussian Blue Analogue Powder (PBA Powder) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Prussian Blue Analogue Powder (PBA Powder) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Prussian Blue Analogue Powder (PBA Powder) domestic production, consumption, key domestic manufacturers and share

Global Prussian Blue Analogue Powder (PBA Powder) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Prussian Blue Analogue Powder (PBA Powder) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Prussian Blue Analogue Powder (PBA Powder) production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Prussian Blue Analogue Powder (PBA Powder) 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 Sigma-Aldrich(Merck), American Elements, Altris AB, Stanford Advanced Materials, Ossila, Arxada AG, MSE Supplies, Macsen Labs, Macklin, Ronbay New Energy, 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 Prussian Blue Analogue Powder (PBA Powder) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Prussian Blue Analogue Powder (PBA Powder) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Prussian Blue Analogue Powder (PBA Powder) Market, Segmentation by Type:

Precipitation Method

Hydrothermal Method

Electrodeposition Method

Global Prussian Blue Analogue Powder (PBA Powder) Market, Segmentation by Metal Ion Composition:

Iron-based HCFs

Transition Metal

Mixed-Metal Type

Global Prussian Blue Analogue Powder (PBA Powder) Market, Segmentation by Redox Couple:

Single-Redox

Dual-Redox

Global Prussian Blue Analogue Powder (PBA Powder) Market, Segmentation by Alkali Metal Content:

Alkali-Rich

Alkali-Deficient

Global Prussian Blue Analogue Powder (PBA Powder) Market, Segmentation by Application:

Power Batteries

Energy Storage Batteries

Other

Companies Profiled:

Sigma-Aldrich(Merck)

American Elements

Altris AB

Stanford Advanced Materials

Ossila

Arxada AG

MSE Supplies

Macsen Labs

Macklin

Ronbay New Energy

Hanxing Technology

Key Questions Answered:

1. How big is the global Prussian Blue Analogue Powder (PBA Powder) market?
2. What is the demand of the global Prussian Blue Analogue Powder (PBA Powder) market?
3. What is the year over year growth of the global Prussian Blue Analogue Powder (PBA Powder) market?
4. What is the production and production value of the global Prussian Blue Analogue Powder (PBA Powder) market?
5. Who are the key producers in the global Prussian Blue Analogue Powder (PBA Powder) market?
6. What are the growth factors driving the market demand?

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