

# Global Sialon Power Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Sialon Power market size is expected to reach \$ 193.2 million by 2029, rising at a market growth of 13.2% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Sialon Power are Shinagawa Refractories Co., Ltd., NTK, Kyocera, CeramTec and International Syalons, which make up over 60%. Among them, Shinagawa Refractories Co., Ltd. is the leader with about 16 % market share. Asia-Pacific is the largest market, with a share about 70%, followed by North America and Europe, with the share about 15% and 11%. In terms of product type, ?-Sialon Powder occupy the largest share of the total market, about 57%. And in terms of product Application, the largest application is Cutting Tools, followed by Wear-resistant Components.

Sialon powder refers to a type of ceramic powder composed of silicon, aluminum, oxygen, and nitrogen. Sialon is a composite material that exhibits excellent mechanical, thermal, and chemical properties, making it suitable for various industrial applications. Sialon powders are often used in the production of advanced ceramics, such as cutting tools, wear-resistant components, and high-temperature furnace parts. The powder can be processed through techniques like powder metallurgy, hot pressing, or sintering to form dense and durable ceramic products. The specific properties of sialon powders can vary depending on the composition and manufacturing process. However, common characteristics include high hardness, excellent thermal shock resistance, good chemical stability, and low thermal conductivity. These properties make sialon ceramics desirable for applications where high strength, wear resistance, and thermal stability are required

This report studies the global Sialon Power production, demand, key manufacturers,

and key regions.

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

Highlights and key features of the study

Global Sialon Power total production and demand, 2018-2029, (Kg)

Global Sialon Power total production value, 2018-2029, (USD Million)

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

Global Sialon Power consumption by region & country, CAGR, 2018-2029 & (Kg)

U.S. VS China: Sialon Power domestic production, consumption, key domestic manufacturers and share

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

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

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

This reports profiles key players in the global Sialon Power 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 AG Materials, International Syalons, Combustion Synthesis, CeramTec, Shinagawa Refractories Co., Ltd., Ferrotec, Denka, NTK and Kyocera, 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 Sialon Power 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 Sialon Power Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Sialon Power Market, Segmentation by Type

?-Sialon Powder

?-Sialon Powder

## Global Sialon Power Market, Segmentation by Application

Cutting Tools

Wear-resistant Components

Refractory Material

Phosphor Powder

Others

## Companies Profiled:

AG Materials

International Syalons

Combustion Synthesis

CeramTec

Shinagawa Refractories Co., Ltd.

Ferrotec

Denka

NTK

Kyocera

## Key Questions Answered

1. How big is the global Sialon Power market?
2. What is the demand of the global Sialon Power market?

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

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