

# Global Metallurgical Silicon Carbide Supply, Demand and Key Producers, 2023-2029

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## Abstracts

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

Metallurgical silicon carbide is a refractory material used in the metallurgical industry. It is usually made of high-purity silicon carbide (SiC) material, which has excellent high temperature stability, corrosion resistance and mechanical strength. In the metallurgical industry, metallurgical silicon carbide is usually used in the furnace wall, furnace bottom, furnace cover and other parts in the process of high temperature smelting and refining to withstand high temperature and corrosion. The high-temperature stability and corrosion resistance of metallurgical silicon carbide enable it to withstand chemical reactions at high temperatures and the erosion of metal liquids, thereby ensuring the stability and efficiency of the smelting and refining process. There are various methods for preparing metallurgical silicon carbide, including hot pressing, chemical vapor deposition, and reaction sintering. Among them, the hot pressing method is a commonly used preparation method, and its basic steps include: first, mix the silicon carbide powder and other additives uniformly; then, place the mixture under high temperature and high pressure for hot pressing; finally, the formed parts carry out sintering treatment to obtain metallurgical silicon carbide material. Due to its excellent high-temperature stability and corrosion resistance, metallurgical silicon carbide has been widely used in the metallurgical industry, such as for the manufacture of high-temperature furnaces, casting molds, refractory materials, etc.

This report studies the global Metallurgical Silicon Carbide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for

Metallurgical Silicon Carbide, 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 Metallurgical Silicon Carbide that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metallurgical Silicon Carbide total production and demand, 2018-2029, (Tons)

Global Metallurgical Silicon Carbide total production value, 2018-2029, (USD Million)

Global Metallurgical Silicon Carbide production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Metallurgical Silicon Carbide consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Metallurgical Silicon Carbide domestic production, consumption, key domestic manufacturers and share

Global Metallurgical Silicon Carbide production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Metallurgical Silicon Carbide production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Metallurgical Silicon Carbide production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Metallurgical Silicon Carbide 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 Elkem ASA, Washington Mills, ESD-SIC bv, Saint-Gobain, READE International Corp., Cumi Murugappa, Electro Abrasives Corp., Carborundum Universal Limited and Snam Abrasives Pvt. 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 Metallurgical Silicon Carbide 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 Metallurgical Silicon Carbide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metallurgical Silicon Carbide Market, Segmentation by Type

Powder Metallurgy Silicon Carbide

Particle Metallurgical Silicon Carbide

Global Metallurgical Silicon Carbide Market, Segmentation by Application

High Temperature Stove

Casting Mold

Refractory Material

Companies Profiled:

Elkem ASA

Washington Mills

ESD-SIC bv

Saint-Gobain

READE International Corp.

Cumi Murugappa

Electro Abrasives Corp.

Carborundum Universal Limited

Snam Abrasives Pvt. Ltd.

Imerys Fused Minerals

Henan Si&C Co., Ltd.

Anyang Huatuo Metallurgy Co., Ltd.

Gongyi Qingyun Refractories Co., Ltd.

Zibo Huanyu Grinding Material Co., Ltd.

Ningxia Tianjing Import and Export Co., Ltd.

## Key Questions Answered

1. How big is the global Metallurgical Silicon Carbide market?
2. What is the demand of the global Metallurgical Silicon Carbide market?
3. What is the year over year growth of the global Metallurgical Silicon Carbide market?
4. What is the production and production value of the global Metallurgical Silicon Carbide market?
5. Who are the key producers in the global Metallurgical Silicon Carbide market?
6. What are the growth factors driving the market demand?

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