

Global Metallurgical Silicon Carbide Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

https://marketpublishers.com/r/G44B124EB7E8EN.html

Date: July 2023 Pages: 110 Price: US\$ 3,480.00 (Single User License) ID: G44B124EB7E8EN

Abstracts

According to our (Global Info Research) latest study, the global Metallurgical Silicon Carbide market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

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 hightemperature stability and corrosion resistance, metallurgical silicon carbide has been widely used in the metallurgical industry, such as for the manufacture of hightemperature furnaces, casting molds, refractory materials, etc.

This report is a detailed and comprehensive analysis for global Metallurgical Silicon



Carbide market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Metallurgical Silicon Carbide market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Metallurgical Silicon Carbide market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Metallurgical Silicon Carbide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2018-2029

Global Metallurgical Silicon Carbide market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Metallurgical Silicon Carbide

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report 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 and READE International Corp., etc.



This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Metallurgical Silicon Carbide market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Powder Metallurgy Silicon Carbide

Particle Metallurgical Silicon Carbide

Market segment by Application

High Temperature Stove

Casting Mold

Refractory Material

Major players covered

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.

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Metallurgical Silicon Carbide product scope, market overview, market estimation caveats and base year.



Chapter 2, to profile the top manufacturers of Metallurgical Silicon Carbide, with price, sales, revenue and global market share of Metallurgical Silicon Carbide from 2018 to 2023.

Chapter 3, the Metallurgical Silicon Carbide competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Metallurgical Silicon Carbide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2022.and Metallurgical Silicon Carbide market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Metallurgical Silicon Carbide.

Chapter 14 and 15, to describe Metallurgical Silicon Carbide sales channel, distributors, customers, research findings and conclusion.



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