

Global Semi-Graphitized Carbide Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Semi-Graphitized Carbide market size was valued at US\$ 119 million in 2025 and is forecast to a readjusted size of US\$ 146 million by 2032 with a CAGR of 3.0% during review period.

In 2025, the global market volume for semi-graphitized recarburizers is projected to reach 218,600 tons, with an average selling price of \$527.8 per ton. The global annual production capacity for semi-graphitized recarburizers stands at approximately 300,000 tons, with a gross margin of approximately 23.1%. A semi-graphitized recarburizer is a carbon-source material utilized in ironmaking, steelmaking, and related metallurgical processes, characterized by a partially graphitized structural composition. Its core principle lies in enhancing thermal efficiency, reducing reaction energy consumption, and improving the final properties of molten iron or steel by increasing the degree of crystallinity and structural orderliness of the carbon material. The upstream raw materials for semi-graphitized recarburizers include crude oil and coke-based source materials, catalysts, processing aids, and similar inputs. The midstream segment consists of semi-graphitized recarburizer manufacturers, while the downstream market is primarily comprised of industries such as metallurgy and chemicals.

Currently, the market for semi-graphitized recarburizers generally exhibits a stable-to-firm trend. Upstream raw material costs remain persistently high, providing rigid support for market prices; conversely, downstream steel and foundry enterprises are largely adopting a wait-and-see approach—prioritizing procurement strictly based on immediate needs—resulting in a standoff between market supply and demand. In terms of industry application, as a critical carbon source material in steelmaking and casting processes, market demand is closely tied to the overall health of the metallurgical industry.

However, in an effort to control costs, some downstream enterprises are currently showing a tendency to shift away from graphitized or semi-graphitized products in favor of coal-based recarburizers, which offer a more favorable cost-performance ratio. Regarding the competitive landscape, the market is dominated by a select few enterprises possessing distinct technological and scale advantages; while the industry as a whole is developing steadily, its growth momentum remains limited.

This report is a detailed and comprehensive analysis for global Semi-Graphitized 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 2025, are provided.

Key Features:

Global Semi-Graphitized Carbide market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Semi-Graphitized Carbide market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Semi-Graphitized Carbide market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Semi-Graphitized Carbide market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

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 Semi-Graphitized 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 Semi-Graphitized Carbide market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include XINGSHI New Materials, Elkem ASA, Richard Anton, SHANGTAITECH, HENG QIAO, BCC, Jiangsu Jiaming Advanced Carbon Materials, JUXING TANSU, Shandong Cohen Carbon Materials, CHANGHEYUE, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Semi-Graphitized Carbide market is split by Type and by Application. For the period 2021-2032, 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

Sulfur Content

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