

Global Graphite Electrode Rod Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Graphite Electrode Rod market size is expected to reach \$ 10650 million by 2032, rising at a market growth of 5.4% CAGR during the forecast period (2026-2032).

Graphite electrode are used mainly in electric arc furnace steel production. They are presently the only products available that have both high levels of electrical conductivity and the capability of sustaining the extreme heat generated in this demanding environment.

Global core graphite electrode rod manufacturers include Showa Denko K.K, FANGDA CARBON, GrafTech etc. The top 5 companies hold a share about 58%. Asia-Pacific is the largest market, with a share about 48%, followed by Europe and North America with the share about 24% and 13%. In terms of product, ultra high power (UHP) graphite electrodes is the largest segment, with a share over 78%. And in terms of application, the largest application is electric arc furnace steel.

This report studies the global Graphite Electrode Rod production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Graphite Electrode Rod 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 Graphite Electrode Rod that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Graphite Electrode Rod total production and demand, 2021-2032, (K MT)

Global Graphite Electrode Rod total production value, 2021-2032, (USD Million)
Global Graphite Electrode Rod production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K MT), (based on production site)
Global Graphite Electrode Rod consumption by region & country, CAGR, 2021-2032 & (K MT)
U.S. VS China: Graphite Electrode Rod domestic production, consumption, key domestic manufacturers and share
Global Graphite Electrode Rod production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K MT)
Global Graphite Electrode Rod production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K MT)
Global Graphite Electrode Rod production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K MT)

This report profiles key players in the global Graphite Electrode Rod 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 Showa Denko K.K, FANGDA CARBON, GrafTech, Graphite India Limited (GIL), HEG Limited, Tokai Carbon, Jilin Carbon, Yangzi Carbon, Kaifeng Carbon Co., Ltd, SEC, 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 Graphite Electrode Rod market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (USD/MT) 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 Graphite Electrode Rod Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Graphite Electrode Rod Market, Segmentation by Type:

Regular Power (RP) Graphite Electrodes

High Power (HP) Graphite Electrodes

Ultra High Power (UHP) Graphite Electrodes

Global Graphite Electrode Rod Market, Segmentation by Application:

Electric ARC Furnace Steel

Others (Phosphorus, Silicon, etc)

Companies Profiled:

Showa Denko K.K

FANGDA CARBON

GrafTech

Graphite India Limited (GIL)

HEG Limited

Tokai Carbon

Jilin Carbon

Yangzi Carbon

Kaifeng Carbon Co., Ltd

SEC

Nippon Carbon

Energoprom Group

Key Questions Answered:

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

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