

Global Graphite Electrode Rod Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Graphite Electrode Rod market size was valued at US\$ 7044 million in 2024 and is forecast to a readjusted size of USD 10150 million by 2031 with a CAGR of 5.4% during review period.

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 is a detailed and comprehensive analysis for global Graphite Electrode Rod 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 Graphite Electrode Rod market size and forecasts, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Graphite Electrode Rod market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Graphite Electrode Rod market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K MT), and average selling prices (USD/MT), 2020-2031

Global Graphite Electrode Rod market shares of main players, shipments in revenue (\$ Million), sales quantity (K MT), and ASP (USD/MT), 2020-2025

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 Graphite Electrode Rod

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 Graphite Electrode Rod 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 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.

Market Segmentation

Graphite Electrode Rod market is split by Type and by Application. For the period 2020-2031, 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

Regular Power (RP) Graphite Electrodes

High Power (HP) Graphite Electrodes

Ultra High Power (UHP) Graphite Electrodes

Market segment by Application

Electric ARC Furnace Steel

Others (Phosphorus, Silicon, etc)

Major players covered

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

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 Graphite Electrode Rod product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Graphite Electrode Rod, with price, sales quantity, revenue, and global market share of Graphite Electrode Rod from 2020 to 2025.

Chapter 3, the Graphite Electrode Rod competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Graphite Electrode Rod breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and Graphite Electrode Rod market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Graphite Electrode Rod.

Chapter 14 and 15, to describe Graphite Electrode Rod sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Graphite Electrode Rod Consumption Value by Type: 2020 Versus 2024 Versus 2031

1.3.2 Regular Power (RP) Graphite Electrodes

1.3.3 High Power (HP) Graphite Electrodes

1.3.4 Ultra High Power (UHP) Graphite Electrodes

1.4 Market Analysis by Application

1.4.1 Overview: Global Graphite Electrode Rod Consumption Value by Application: 2020 Versus 2024 Versus 2031

1.4.2 Electric ARC Furnace Steel

1.4.3 Others (Phosphorus, Silicon, etc)

1.5 Global Graphite Electrode Rod Market Size & Forecast

1.5.1 Global Graphite Electrode Rod Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Graphite Electrode Rod Sales Quantity (2020-2031)

1.5.3 Global Graphite Electrode Rod Average Price (2020-2031)

2 MANUFACTURERS PROFILES

2.1 Showa Denko K.K

2.1.1 Showa Denko K.K Details

2.1.2 Showa Denko K.K Major Business

2.1.3 Showa Denko K.K Graphite Electrode Rod Product and Services

2.1.4 Showa Denko K.K Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.1.5 Showa Denko K.K Recent Developments/Updates

2.2 FANGDA CARBON

2.2.1 FANGDA CARBON Details

2.2.2 FANGDA CARBON Major Business

2.2.3 FANGDA CARBON Graphite Electrode Rod Product and Services

2.2.4 FANGDA CARBON Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.2.5 FANGDA CARBON Recent Developments/Updates

2.3 GrafTech

- 2.3.1 GrafTech Details
- 2.3.2 GrafTech Major Business
- 2.3.3 GrafTech Graphite Electrode Rod Product and Services
- 2.3.4 GrafTech Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.3.5 GrafTech Recent Developments/Updates
- 2.4 Graphite India Limited (GIL)
 - 2.4.1 Graphite India Limited (GIL) Details
 - 2.4.2 Graphite India Limited (GIL) Major Business
 - 2.4.3 Graphite India Limited (GIL) Graphite Electrode Rod Product and Services
 - 2.4.4 Graphite India Limited (GIL) Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.4.5 Graphite India Limited (GIL) Recent Developments/Updates
- 2.5 HEG Limited
 - 2.5.1 HEG Limited Details
 - 2.5.2 HEG Limited Major Business
 - 2.5.3 HEG Limited Graphite Electrode Rod Product and Services
 - 2.5.4 HEG Limited Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.5.5 HEG Limited Recent Developments/Updates
- 2.6 Tokai Carbon
 - 2.6.1 Tokai Carbon Details
 - 2.6.2 Tokai Carbon Major Business
 - 2.6.3 Tokai Carbon Graphite Electrode Rod Product and Services
 - 2.6.4 Tokai Carbon Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.6.5 Tokai Carbon Recent Developments/Updates
- 2.7 Jilin Carbon
 - 2.7.1 Jilin Carbon Details
 - 2.7.2 Jilin Carbon Major Business
 - 2.7.3 Jilin Carbon Graphite Electrode Rod Product and Services
 - 2.7.4 Jilin Carbon Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
 - 2.7.5 Jilin Carbon Recent Developments/Updates
- 2.8 Yangzi Carbon
 - 2.8.1 Yangzi Carbon Details
 - 2.8.2 Yangzi Carbon Major Business
 - 2.8.3 Yangzi Carbon Graphite Electrode Rod Product and Services
 - 2.8.4 Yangzi Carbon Graphite Electrode Rod Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2020-2025)

2.8.5 Yangzi Carbon Recent Developments/Updates

2.9 Kaifeng Carbon Co., Ltd

2.9.1 Kaifeng Carbon Co., Ltd Details

2.9.2 Kaifeng Carbon Co., Ltd Major Business

2.9.3 Kaifeng Carbon Co., Ltd Graphite Electrode Rod Product and Services

2.9.4 Kaifeng Carbon Co., Ltd Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.9.5 Kaifeng Carbon Co., Ltd Recent Developments/Updates

2.10 SEC

2.10.1 SEC Details

2.10.2 SEC Major Business

2.10.3 SEC Graphite Electrode Rod Product and Services

2.10.4 SEC Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.10.5 SEC Recent Developments/Updates

2.11 Nippon Carbon

2.11.1 Nippon Carbon Details

2.11.2 Nippon Carbon Major Business

2.11.3 Nippon Carbon Graphite Electrode Rod Product and Services

2.11.4 Nippon Carbon Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.11.5 Nippon Carbon Recent Developments/Updates

2.12 Energoprom Group

2.12.1 Energoprom Group Details

2.12.2 Energoprom Group Major Business

2.12.3 Energoprom Group Graphite Electrode Rod Product and Services

2.12.4 Energoprom Group Graphite Electrode Rod Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.12.5 Energoprom Group Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: GRAPHITE ELECTRODE ROD BY MANUFACTURER

3.1 Global Graphite Electrode Rod Sales Quantity by Manufacturer (2020-2025)

3.2 Global Graphite Electrode Rod Revenue by Manufacturer (2020-2025)

3.3 Global Graphite Electrode Rod Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Graphite Electrode Rod by Manufacturer Revenue (\$MM)

and Market Share (%): 2024

3.4.2 Top 3 Graphite Electrode Rod Manufacturer Market Share in 2024

3.4.3 Top 6 Graphite Electrode Rod Manufacturer Market Share in 2024

3.5 Graphite Electrode Rod Market: Overall Company Footprint Analysis

3.5.1 Graphite Electrode Rod Market: Region Footprint

3.5.2 Graphite Electrode Rod Market: Company Product Type Footprint

3.5.3 Graphite Electrode Rod Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Graphite Electrode Rod Market Size by Region

4.1.1 Global Graphite Electrode Rod Sales Quantity by Region (2020-2031)

4.1.2 Global Graphite Electrode Rod Consumption Value by Region (2020-2031)

4.1.3 Global Graphite Electrode Rod Average Price by Region (2020-2031)

4.2 North America Graphite Electrode Rod Consumption Value (2020-2031)

4.3 Europe Graphite Electrode Rod Consumption Value (2020-2031)

4.4 Asia-Pacific Graphite Electrode Rod Consumption Value (2020-2031)

4.5 South America Graphite Electrode Rod Consumption Value (2020-2031)

4.6 Middle East & Africa Graphite Electrode Rod Consumption Value (2020-2031)

5 MARKET SEGMENT BY TYPE

5.1 Global Graphite Electrode Rod Sales Quantity by Type (2020-2031)

5.2 Global Graphite Electrode Rod Consumption Value by Type (2020-2031)

5.3 Global Graphite Electrode Rod Average Price by Type (2020-2031)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Graphite Electrode Rod Sales Quantity by Application (2020-2031)

6.2 Global Graphite Electrode Rod Consumption Value by Application (2020-2031)

6.3 Global Graphite Electrode Rod Average Price by Application (2020-2031)

7 NORTH AMERICA

7.1 North America Graphite Electrode Rod Sales Quantity by Type (2020-2031)

7.2 North America Graphite Electrode Rod Sales Quantity by Application (2020-2031)

7.3 North America Graphite Electrode Rod Market Size by Country

- 7.3.1 North America Graphite Electrode Rod Sales Quantity by Country (2020-2031)
- 7.3.2 North America Graphite Electrode Rod Consumption Value by Country (2020-2031)
- 7.3.3 United States Market Size and Forecast (2020-2031)
- 7.3.4 Canada Market Size and Forecast (2020-2031)
- 7.3.5 Mexico Market Size and Forecast (2020-2031)

8 EUROPE

- 8.1 Europe Graphite Electrode Rod Sales Quantity by Type (2020-2031)
- 8.2 Europe Graphite Electrode Rod Sales Quantity by Application (2020-2031)
- 8.3 Europe Graphite Electrode Rod Market Size by Country
 - 8.3.1 Europe Graphite Electrode Rod Sales Quantity by Country (2020-2031)
 - 8.3.2 Europe Graphite Electrode Rod Consumption Value by Country (2020-2031)
 - 8.3.3 Germany Market Size and Forecast (2020-2031)
 - 8.3.4 France Market Size and Forecast (2020-2031)
 - 8.3.5 United Kingdom Market Size and Forecast (2020-2031)
 - 8.3.6 Russia Market Size and Forecast (2020-2031)
 - 8.3.7 Italy Market Size and Forecast (2020-2031)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific Graphite Electrode Rod Sales Quantity by Type (2020-2031)
- 9.2 Asia-Pacific Graphite Electrode Rod Sales Quantity by Application (2020-2031)
- 9.3 Asia-Pacific Graphite Electrode Rod Market Size by Region
 - 9.3.1 Asia-Pacific Graphite Electrode Rod Sales Quantity by Region (2020-2031)
 - 9.3.2 Asia-Pacific Graphite Electrode Rod Consumption Value by Region (2020-2031)
 - 9.3.3 China Market Size and Forecast (2020-2031)
 - 9.3.4 Japan Market Size and Forecast (2020-2031)
 - 9.3.5 South Korea Market Size and Forecast (2020-2031)
 - 9.3.6 India Market Size and Forecast (2020-2031)
 - 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
 - 9.3.8 Australia Market Size and Forecast (2020-2031)

10 SOUTH AMERICA

- 10.1 South America Graphite Electrode Rod Sales Quantity by Type (2020-2031)
- 10.2 South America Graphite Electrode Rod Sales Quantity by Application (2020-2031)
- 10.3 South America Graphite Electrode Rod Market Size by Country

- 10.3.1 South America Graphite Electrode Rod Sales Quantity by Country (2020-2031)
- 10.3.2 South America Graphite Electrode Rod Consumption Value by Country (2020-2031)
- 10.3.3 Brazil Market Size and Forecast (2020-2031)
- 10.3.4 Argentina Market Size and Forecast (2020-2031)

11 MIDDLE EAST & AFRICA

- 11.1 Middle East & Africa Graphite Electrode Rod Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa Graphite Electrode Rod Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa Graphite Electrode Rod Market Size by Country
 - 11.3.1 Middle East & Africa Graphite Electrode Rod Sales Quantity by Country (2020-2031)
 - 11.3.2 Middle East & Africa Graphite Electrode Rod Consumption Value by Country (2020-2031)
 - 11.3.3 Turkey Market Size and Forecast (2020-2031)
 - 11.3.4 Egypt Market Size and Forecast (2020-2031)
 - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
 - 11.3.6 South Africa Market Size and Forecast (2020-2031)

12 MARKET DYNAMICS

- 12.1 Graphite Electrode Rod Market Drivers
- 12.2 Graphite Electrode Rod Market Restraints
- 12.3 Graphite Electrode Rod Trends Analysis
- 12.4 Porters Five Forces Analysis
 - 12.4.1 Threat of New Entrants
 - 12.4.2 Bargaining Power of Suppliers
 - 12.4.3 Bargaining Power of Buyers
 - 12.4.4 Threat of Substitutes
 - 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Graphite Electrode Rod and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Graphite Electrode Rod
- 13.3 Graphite Electrode Rod Production Process
- 13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Graphite Electrode Rod Typical Distributors

14.3 Graphite Electrode Rod Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Graphite Electrode Rod Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Graphite Electrode Rod Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. Showa Denko K.K Basic Information, Manufacturing Base and Competitors

Table 4. Showa Denko K.K Major Business

Table 5. Showa Denko K.K Graphite Electrode Rod Product and Services

Table 6. Showa Denko K.K Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. Showa Denko K.K Recent Developments/Updates

Table 8. FANGDA CARBON Basic Information, Manufacturing Base and Competitors

Table 9. FANGDA CARBON Major Business

Table 10. FANGDA CARBON Graphite Electrode Rod Product and Services

Table 11. FANGDA CARBON Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. FANGDA CARBON Recent Developments/Updates

Table 13. GrafTech Basic Information, Manufacturing Base and Competitors

Table 14. GrafTech Major Business

Table 15. GrafTech Graphite Electrode Rod Product and Services

Table 16. GrafTech Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. GrafTech Recent Developments/Updates

Table 18. Graphite India Limited (GIL) Basic Information, Manufacturing Base and Competitors

Table 19. Graphite India Limited (GIL) Major Business

Table 20. Graphite India Limited (GIL) Graphite Electrode Rod Product and Services

Table 21. Graphite India Limited (GIL) Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. Graphite India Limited (GIL) Recent Developments/Updates

Table 23. HEG Limited Basic Information, Manufacturing Base and Competitors

Table 24. HEG Limited Major Business

Table 25. HEG Limited Graphite Electrode Rod Product and Services

Table 26. HEG Limited Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. HEG Limited Recent Developments/Updates
Table 28. Tokai Carbon Basic Information, Manufacturing Base and Competitors
Table 29. Tokai Carbon Major Business
Table 30. Tokai Carbon Graphite Electrode Rod Product and Services
Table 31. Tokai Carbon Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 32. Tokai Carbon Recent Developments/Updates
Table 33. Jilin Carbon Basic Information, Manufacturing Base and Competitors
Table 34. Jilin Carbon Major Business
Table 35. Jilin Carbon Graphite Electrode Rod Product and Services
Table 36. Jilin Carbon Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 37. Jilin Carbon Recent Developments/Updates
Table 38. Yangzi Carbon Basic Information, Manufacturing Base and Competitors
Table 39. Yangzi Carbon Major Business
Table 40. Yangzi Carbon Graphite Electrode Rod Product and Services
Table 41. Yangzi Carbon Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 42. Yangzi Carbon Recent Developments/Updates
Table 43. Kaifeng Carbon Co., Ltd Basic Information, Manufacturing Base and Competitors
Table 44. Kaifeng Carbon Co., Ltd Major Business
Table 45. Kaifeng Carbon Co., Ltd Graphite Electrode Rod Product and Services
Table 46. Kaifeng Carbon Co., Ltd Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 47. Kaifeng Carbon Co., Ltd Recent Developments/Updates
Table 48. SEC Basic Information, Manufacturing Base and Competitors
Table 49. SEC Major Business
Table 50. SEC Graphite Electrode Rod Product and Services
Table 51. SEC Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 52. SEC Recent Developments/Updates
Table 53. Nippon Carbon Basic Information, Manufacturing Base and Competitors
Table 54. Nippon Carbon Major Business
Table 55. Nippon Carbon Graphite Electrode Rod Product and Services
Table 56. Nippon Carbon Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)
Table 57. Nippon Carbon Recent Developments/Updates

Table 58. Energoprom Group Basic Information, Manufacturing Base and Competitors

Table 59. Energoprom Group Major Business

Table 60. Energoprom Group Graphite Electrode Rod Product and Services

Table 61. Energoprom Group Graphite Electrode Rod Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. Energoprom Group Recent Developments/Updates

Table 63. Global Graphite Electrode Rod Sales Quantity by Manufacturer (2020-2025) & (K MT)

Table 64. Global Graphite Electrode Rod Revenue by Manufacturer (2020-2025) & (USD Million)

Table 65. Global Graphite Electrode Rod Average Price by Manufacturer (2020-2025) & (USD/MT)

Table 66. Market Position of Manufacturers in Graphite Electrode Rod, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 67. Head Office and Graphite Electrode Rod Production Site of Key Manufacturer

Table 68. Graphite Electrode Rod Market: Company Product Type Footprint

Table 69. Graphite Electrode Rod Market: Company Product Application Footprint

Table 70. Graphite Electrode Rod New Market Entrants and Barriers to Market Entry

Table 71. Graphite Electrode Rod Mergers, Acquisition, Agreements, and Collaborations

Table 72. Global Graphite Electrode Rod Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 73. Global Graphite Electrode Rod Sales Quantity by Region (2020-2025) & (K MT)

Table 74. Global Graphite Electrode Rod Sales Quantity by Region (2026-2031) & (K MT)

Table 75. Global Graphite Electrode Rod Consumption Value by Region (2020-2025) & (USD Million)

Table 76. Global Graphite Electrode Rod Consumption Value by Region (2026-2031) & (USD Million)

Table 77. Global Graphite Electrode Rod Average Price by Region (2020-2025) & (USD/MT)

Table 78. Global Graphite Electrode Rod Average Price by Region (2026-2031) & (USD/MT)

Table 79. Global Graphite Electrode Rod Sales Quantity by Type (2020-2025) & (K MT)

Table 80. Global Graphite Electrode Rod Sales Quantity by Type (2026-2031) & (K MT)

Table 81. Global Graphite Electrode Rod Consumption Value by Type (2020-2025) & (USD Million)

Table 82. Global Graphite Electrode Rod Consumption Value by Type (2026-2031) &

(USD Million)

Table 83. Global Graphite Electrode Rod Average Price by Type (2020-2025) & (USD/MT)

Table 84. Global Graphite Electrode Rod Average Price by Type (2026-2031) & (USD/MT)

Table 85. Global Graphite Electrode Rod Sales Quantity by Application (2020-2025) & (K MT)

Table 86. Global Graphite Electrode Rod Sales Quantity by Application (2026-2031) & (K MT)

Table 87. Global Graphite Electrode Rod Consumption Value by Application (2020-2025) & (USD Million)

Table 88. Global Graphite Electrode Rod Consumption Value by Application (2026-2031) & (USD Million)

Table 89. Global Graphite Electrode Rod Average Price by Application (2020-2025) & (USD/MT)

Table 90. Global Graphite Electrode Rod Average Price by Application (2026-2031) & (USD/MT)

Table 91. North America Graphite Electrode Rod Sales Quantity by Type (2020-2025) & (K MT)

Table 92. North America Graphite Electrode Rod Sales Quantity by Type (2026-2031) & (K MT)

Table 93. North America Graphite Electrode Rod Sales Quantity by Application (2020-2025) & (K MT)

Table 94. North America Graphite Electrode Rod Sales Quantity by Application (2026-2031) & (K MT)

Table 95. North America Graphite Electrode Rod Sales Quantity by Country (2020-2025) & (K MT)

Table 96. North America Graphite Electrode Rod Sales Quantity by Country (2026-2031) & (K MT)

Table 97. North America Graphite Electrode Rod Consumption Value by Country (2020-2025) & (USD Million)

Table 98. North America Graphite Electrode Rod Consumption Value by Country (2026-2031) & (USD Million)

Table 99. Europe Graphite Electrode Rod Sales Quantity by Type (2020-2025) & (K MT)

Table 100. Europe Graphite Electrode Rod Sales Quantity by Type (2026-2031) & (K MT)

Table 101. Europe Graphite Electrode Rod Sales Quantity by Application (2020-2025) & (K MT)

Table 102. Europe Graphite Electrode Rod Sales Quantity by Application (2026-2031) & (K MT)

Table 103. Europe Graphite Electrode Rod Sales Quantity by Country (2020-2025) & (K MT)

Table 104. Europe Graphite Electrode Rod Sales Quantity by Country (2026-2031) & (K MT)

Table 105. Europe Graphite Electrode Rod Consumption Value by Country (2020-2025) & (USD Million)

Table 106. Europe Graphite Electrode Rod Consumption Value by Country (2026-2031) & (USD Million)

Table 107. Asia-Pacific Graphite Electrode Rod Sales Quantity by Type (2020-2025) & (K MT)

Table 108. Asia-Pacific Graphite Electrode Rod Sales Quantity by Type (2026-2031) & (K MT)

Table 109. Asia-Pacific Graphite Electrode Rod Sales Quantity by Application (2020-2025) & (K MT)

Table 110. Asia-Pacific Graphite Electrode Rod Sales Quantity by Application (2026-2031) & (K MT)

Table 111. Asia-Pacific Graphite Electrode Rod Sales Quantity by Region (2020-2025) & (K MT)

Table 112. Asia-Pacific Graphite Electrode Rod Sales Quantity by Region (2026-2031) & (K MT)

Table 113. Asia-Pacific Graphite Electrode Rod Consumption Value by Region (2020-2025) & (USD Million)

Table 114. Asia-Pacific Graphite Electrode Rod Consumption Value by Region (2026-2031) & (USD Million)

Table 115. South America Graphite Electrode Rod Sales Quantity by Type (2020-2025) & (K MT)

Table 116. South America Graphite Electrode Rod Sales Quantity by Type (2026-2031) & (K MT)

Table 117. South America Graphite Electrode Rod Sales Quantity by Application (2020-2025) & (K MT)

Table 118. South America Graphite Electrode Rod Sales Quantity by Application (2026-2031) & (K MT)

Table 119. South America Graphite Electrode Rod Sales Quantity by Country (2020-2025) & (K MT)

Table 120. South America Graphite Electrode Rod Sales Quantity by Country (2026-2031) & (K MT)

Table 121. South America Graphite Electrode Rod Consumption Value by Country

(2020-2025) & (USD Million)

Table 122. South America Graphite Electrode Rod Consumption Value by Country

(2026-2031) & (USD Million)

Table 123. Middle East & Africa Graphite Electrode Rod Sales Quantity by Type

(2020-2025) & (K MT)

Table 124. Middle East & Africa Graphite Electrode Rod Sales Quantity by Type

(2026-2031) & (K MT)

Table 125. Middle East & Africa Graphite Electrode Rod Sales Quantity by Application

(2020-2025) & (K MT)

Table 126. Middle East & Africa Graphite Electrode Rod Sales Quantity by Application

(2026-2031) & (K MT)

Table 127. Middle East & Africa Graphite Electrode Rod Sales Quantity by Country

(2020-2025) & (K MT)

Table 128. Middle East & Africa Graphite Electrode Rod Sales Quantity by Country

(2026-2031) & (K MT)

Table 129. Middle East & Africa Graphite Electrode Rod Consumption Value by Country

(2020-2025) & (USD Million)

Table 130. Middle East & Africa Graphite Electrode Rod Consumption Value by Country

(2026-2031) & (USD Million)

Table 131. Graphite Electrode Rod Raw Material

Table 132. Key Manufacturers of Graphite Electrode Rod Raw Materials

Table 133. Graphite Electrode Rod Typical Distributors

Table 134. Graphite Electrode Rod Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Graphite Electrode Rod Picture

Figure 2. Global Graphite Electrode Rod Revenue by Type, (USD Million), 2020 & 2024 & 2031

Figure 3. Global Graphite Electrode Rod Revenue Market Share by Type in 2024

Figure 4. Regular Power (RP) Graphite Electrodes Examples

Figure 5. High Power (HP) Graphite Electrodes Examples

Figure 6. Ultra High Power (UHP) Graphite Electrodes Examples

Figure 7. Global Graphite Electrode Rod Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Figure 8. Global Graphite Electrode Rod Revenue Market Share by Application in 2024

Figure 9. Electric ARC Furnace Steel Examples

Figure 10. Others (Phosphorus, Silicon, etc) Examples

Figure 11. Global Graphite Electrode Rod Consumption Value, (USD Million): 2020 & 2024 & 2031

Figure 12. Global Graphite Electrode Rod Consumption Value and Forecast (2020-2031) & (USD Million)

Figure 13. Global Graphite Electrode Rod Sales Quantity (2020-2031) & (K MT)

Figure 14. Global Graphite Electrode Rod Price (2020-2031) & (USD/MT)

Figure 15. Global Graphite Electrode Rod Sales Quantity Market Share by Manufacturer in 2024

Figure 16. Global Graphite Electrode Rod Revenue Market Share by Manufacturer in 2024

Figure 17. Producer Shipments of Graphite Electrode Rod by Manufacturer Sales (\$MM) and Market Share (%): 2024

Figure 18. Top 3 Graphite Electrode Rod Manufacturer (Revenue) Market Share in 2024

Figure 19. Top 6 Graphite Electrode Rod Manufacturer (Revenue) Market Share in 2024

Figure 20. Global Graphite Electrode Rod Sales Quantity Market Share by Region (2020-2031)

Figure 21. Global Graphite Electrode Rod Consumption Value Market Share by Region (2020-2031)

Figure 22. North America Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 23. Europe Graphite Electrode Rod Consumption Value (2020-2031) & (USD

Million)

Figure 24. Asia-Pacific Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 25. South America Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 26. Middle East & Africa Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 27. Global Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 28. Global Graphite Electrode Rod Consumption Value Market Share by Type (2020-2031)

Figure 29. Global Graphite Electrode Rod Average Price by Type (2020-2031) & (USD/MT)

Figure 30. Global Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 31. Global Graphite Electrode Rod Revenue Market Share by Application (2020-2031)

Figure 32. Global Graphite Electrode Rod Average Price by Application (2020-2031) & (USD/MT)

Figure 33. North America Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 34. North America Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 35. North America Graphite Electrode Rod Sales Quantity Market Share by Country (2020-2031)

Figure 36. North America Graphite Electrode Rod Consumption Value Market Share by Country (2020-2031)

Figure 37. United States Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 38. Canada Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 39. Mexico Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 40. Europe Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 41. Europe Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 42. Europe Graphite Electrode Rod Sales Quantity Market Share by Country (2020-2031)

Figure 43. Europe Graphite Electrode Rod Consumption Value Market Share by Country (2020-2031)

Figure 44. Germany Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 45. France Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 46. United Kingdom Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 47. Russia Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 48. Italy Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 49. Asia-Pacific Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 50. Asia-Pacific Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 51. Asia-Pacific Graphite Electrode Rod Sales Quantity Market Share by Region (2020-2031)

Figure 52. Asia-Pacific Graphite Electrode Rod Consumption Value Market Share by Region (2020-2031)

Figure 53. China Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 54. Japan Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 55. South Korea Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 56. India Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 57. Southeast Asia Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 58. Australia Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 59. South America Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 60. South America Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 61. South America Graphite Electrode Rod Sales Quantity Market Share by Country (2020-2031)

Figure 62. South America Graphite Electrode Rod Consumption Value Market Share by

Country (2020-2031)

Figure 63. Brazil Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 64. Argentina Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 65. Middle East & Africa Graphite Electrode Rod Sales Quantity Market Share by Type (2020-2031)

Figure 66. Middle East & Africa Graphite Electrode Rod Sales Quantity Market Share by Application (2020-2031)

Figure 67. Middle East & Africa Graphite Electrode Rod Sales Quantity Market Share by Country (2020-2031)

Figure 68. Middle East & Africa Graphite Electrode Rod Consumption Value Market Share by Country (2020-2031)

Figure 69. Turkey Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 70. Egypt Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 71. Saudi Arabia Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 72. South Africa Graphite Electrode Rod Consumption Value (2020-2031) & (USD Million)

Figure 73. Graphite Electrode Rod Market Drivers

Figure 74. Graphite Electrode Rod Market Restraints

Figure 75. Graphite Electrode Rod Market Trends

Figure 76. Porters Five Forces Analysis

Figure 77. Manufacturing Cost Structure Analysis of Graphite Electrode Rod in 2024

Figure 78. Manufacturing Process Analysis of Graphite Electrode Rod

Figure 79. Graphite Electrode Rod Industrial Chain

Figure 80. Sales Channel: Direct to End-User vs Distributors

Figure 81. Direct Channel Pros & Cons

Figure 82. Indirect Channel Pros & Cons

Figure 83. Methodology

Figure 84. Research Process and Data Source

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