

# Global Graphite Insulation Felts Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

https://marketpublishers.com/r/GBCFCC0391FEN.html

Date: June 2024 Pages: 150 Price: US\$ 3,480.00 (Single User License) ID: GBCFCC0391FEN

# **Abstracts**

According to our (Global Info Research) latest study, the global Graphite Insulation Felts market size was valued at USD 452.7 million in 2023 and is forecast to a readjusted size of USD 683.4 million by 2030 with a CAGR of 6.1% during review period.

Graphite Insulation Felts are processed from a rayon precursor and fired to graphitizing temperatures. Primarily used as high temperature insulation in inert or vacuum atmospheres offering high stability through rapid thermal cycling.

Growing Demand from Heat Insulation Segment. The graphite felts are used in hightemperature refractory insulations because of their flexible properties. These felts are primarily used in vacuum and protected atmospheric environments with temperatures reaching approximately C.Carbon and graphite felt are easy to cut and install; they have low densities and thermal masses and low ash and sulfur contents, making them good insulation materials for heat insulation purposes. Global steel production has witnessed significant growth in the past decade, especially in countries like China, India, Japan, and the United States. The World Steel Association predicts that by 2023, there will be a 1.0% increase in global steel demand, bringing it to 1,814.7 million tons. In 2022, there will be 1,796.7 million tons of steel demand. In 2022, global crude steel production reached 1,878.5 million tons; it declined 4.2% as compared to 2021 production. However, it is expected to offer a positive outlook in the near future. So, the market for Graphite Insulation Felt is likely to be led by the heat insulation segment over the next few years.

The Global Info Research report includes an overview of the development of the Graphite Insulation Felts industry chain, the market status of Furnace (Rayon Based,



PAN Based), Diagnostic Evaluation (Rayon Based, PAN Based), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Graphite Insulation Felts.

Regionally, the report analyzes the Graphite Insulation Felts markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Graphite Insulation Felts market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Graphite Insulation Felts market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Graphite Insulation Felts industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Rayon Based, PAN Based).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Graphite Insulation Felts market.

Regional Analysis: The report involves examining the Graphite Insulation Felts market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Graphite Insulation Felts market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Graphite Insulation Felts:



Company Analysis: Report covers individual Graphite Insulation Felts manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Graphite Insulation Felts This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Furnace, Diagnostic Evaluation).

Technology Analysis: Report covers specific technologies relevant to Graphite Insulation Felts. It assesses the current state, advancements, and potential future developments in Graphite Insulation Felts areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Graphite Insulation Felts market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Graphite Insulation Felts market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Rayon Based

PAN Based

Market segment by Application

Furnace

Global Graphite Insulation Felts Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030



Diagnostic Eval	uation
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Others

#### Major players covered

Graphite	Insulating	Systems
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Liaoyang Xingwang Graphtie Products

CGT Carbon GmbH

**Toray Industries** 

AvCarb

CeraMaterials (Graphi Materials)

Cetech

Kureha Corporation

Nippon Carbon

CFC Carbon

Ceramaterials

Sinotek Materials

CM Carbon Co Ltd

**Beijing Great Wall** 

Texpack S.R.L.

Buffalo Felt Products Corp.



**Carbon Composites** 

Fiber Materials

Svetlogorskkhimvolokno

Haoshi Carbon Fiber

Agm/Advanced Graphite Materials

**Chemshine Carbon** 

Anshan Sinocarb Carbon Fibers

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 Insulation Felts product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Graphite Insulation Felts, with price, sales, revenue and global market share of Graphite Insulation Felts from 2019 to 2024.

Chapter 3, the Graphite Insulation Felts competitive situation, sales quantity, revenue



and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Graphite Insulation Felts breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2023.and Graphite Insulation Felts market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Insulation Felts.

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



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