

Global Carbon and Graphite Felt Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Carbon and Graphite Felt market size was valued at USD 191.9 million in 2023 and is forecast to a readjusted size of USD 298.9 million by 2030 with a CAGR of 6.5% during review period.

Felts are soft, flexible, high temperature refractory insulation materials, typically used in vacuum and protected atmosphere environments up to a temperature of 3000°C. Carbon and Graphite Felts are two main types of felt used in industries. They are produced when fibres are pressed, matted and condensed together. The firing temperature of carbon felt is usually about 800°C. After high temperature above 2000 °C in the vacuum or inert atmosphere, the carbon felt turned into graphite fiber felt. The carbon content is much higher than carbon felt, its 99% min.

Global key manufacturers of carbon and graphite felt include Gansu Haoshi Carbon Fiber, SGL Carbon, Kureha, Chemshine Carbon and Morgan Specialty Graphite, etc. In terms of revenue, the global top four players occupied for a share over 55%. Asia Pacific is the largest market, has a share over 70%, followed by Europe, and North America, with share 14% and 11%, separately. In terms of product type, Rayon Based Felt is the largest subdivision, accounting for over 70% of the market share. At the same time, in terms of application, Thermal Insulation Material is the largest downstream field, accounting for over 80% of the market share.

The Global Info Research report includes an overview of the development of the Carbon and Graphite Felt industry chain, the market status of Thermal Insulation Material (Pitch Based Felt, PAN Based Felt), Electrode Material (Pitch Based Felt, PAN Based Felt), and key enterprises in developed and developing market, and analysed the cutting-

edge technology, patent, hot applications and market trends of Carbon and Graphite Felt.

Regionally, the report analyzes the Carbon and Graphite Felt 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 Carbon and Graphite Felt market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Carbon and Graphite Felt 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 Carbon and Graphite Felt 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 (MT), revenue generated, and market share of different by Type (e.g., Pitch Based Felt, PAN Based Felt).

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 Carbon and Graphite Felt market.

Regional Analysis: The report involves examining the Carbon and Graphite Felt 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 Carbon and Graphite Felt market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Carbon and Graphite Felt:

Company Analysis: Report covers individual Carbon and Graphite Felt 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 Carbon and Graphite Felt. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Thermal Insulation Material, Electrode Material).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Carbon and Graphite Felt 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

Carbon and Graphite Felt 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

Pitch Based Felt

PAN Based Felt

Rayon Based Felt

Market segment by Application

Thermal Insulation Material

Electrode Material

Composite Material

Others

Major players covered

Gansu Haoshi Carbon Fiber

SGL Carbon

Kureha

Chemshine Carbon

Morgan Specialty Graphite

Sinotek Materials

Mersen

Nippon Carbon

Shenzhen Goldstone Technology

Beijing Great Wall

AvCarb

CFC Carbon

Cetech

CGT Carbon GmbH

HPMS Graphite

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 Carbon and Graphite Felt product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Carbon and Graphite Felt 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 Carbon and Graphite Felt 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 Carbon and Graphite Felt.

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

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