

Global Gas-Phase-Grown Carbon Fiber Market Growth 2023-2029

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Abstracts

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Gas-phase-grown carbon fiber is manufactured through the catalytic decomposition of hydrocarbons such as methane and benzene in the vapour phase. These fibers contain circular cross sections and central hollow cores that have a few nanometre diameters. The graphite networks are organized in concentric cylinders and carbon fibers are placed like tree rings to form a unique structure that has outstanding physical properties. High tensile strength & tensile modulus, low electrical resistivity, and high thermal conductivity are some of the properties that make these fibers ideal for industrial applications. Their thermal conductivity (1,950 W/m-K) is the highest among all commercial carbon fibers available in the market. These fibers are anticipated to deliver a new generation of polymer composites that have multifunctional properties.

LPI (LP Information)' newest research report, the "Gas-Phase-Grown Carbon Fiber Industry Forecast" looks at past sales and reviews total world Gas-Phase-Grown Carbon Fiber sales in 2022, providing a comprehensive analysis by region and market sector of projected Gas-Phase-Grown Carbon Fiber sales for 2023 through 2029. With Gas-Phase-Grown Carbon Fiber sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Gas-Phase-Grown Carbon Fiber industry.

This Insight Report provides a comprehensive analysis of the global Gas-Phase-Grown Carbon Fiber landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Gas-Phase-Grown Carbon Fiber portfolios and capabilities, market entry strategies,

market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Gas-Phase-Grown Carbon Fiber market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Gas-Phase-Grown Carbon Fiber and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Gas-Phase-Grown Carbon Fiber.

The global Gas-Phase-Grown Carbon Fiber market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Gas-Phase-Grown Carbon Fiber is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Gas-Phase-Grown Carbon Fiber is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Gas-Phase-Grown Carbon Fiber is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Gas-Phase-Grown Carbon Fiber players cover Cytec Industries, Dow, Formosa Plastic Corporation, Hexcel Corporation, Jiangsu Hengshen Fibre Material, Mitsubishi Rayon Carbon Fiber and Composites, SGL Carbon SE, Teijin and Toray Industries, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

This report presents a comprehensive overview, market shares, and growth opportunities of Gas-Phase-Grown Carbon Fiber market by product type, application, key manufacturers and key regions and countries.

Market Segmentation:

Segmentation by type

PAN Based

Asphalt Based

Segmentation by application

Aerospace & Defence

Automotive

Electrical & Electronics

Building & Construction

Medical

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Cytec Industries

Dow

Formosa Plastic Corporation

Hexcel Corporation

Jiangsu Hengshen Fibre Material

Mitsubishi Rayon Carbon Fiber and Composites

SGL Carbon SE

Teijin

Toray Industries

Zhongfu Shenying Carbon Fiber

Key Questions Addressed in this Report

What is the 10-year outlook for the global Gas-Phase-Grown Carbon Fiber market?

What factors are driving Gas-Phase-Grown Carbon Fiber market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Gas-Phase-Grown Carbon Fiber market opportunities vary by end market size?

How does Gas-Phase-Grown Carbon Fiber break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

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