

Global Large Tow Carbon Fiber Market 2023-2029

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Abstracts

Large tow carbon fiber refers to carbon fiber strands that are composed of a higher number of individual filaments than traditional carbon fiber. While traditional carbon fiber typically has around 3,000 filaments per strand, large tow carbon fiber can have up to 50,000 filaments per strand. This makes large tow carbon fiber much thicker and stronger than traditional carbon fiber.

Large tow carbon fiber is typically used in applications that require high strength and stiffness, such as aerospace, automotive, and sporting goods industries. The increased strength and stiffness of large tow carbon fiber allows for lighter weight structures that can withstand greater loads and stresses. One of the main advantages of large tow carbon fiber is its ability to be processed more efficiently than traditional carbon fiber. Because the individual filaments are packed more tightly together, the material can be processed at higher speeds, reducing manufacturing time and costs. The global large tow carbon fiber market is projected to rise by USD 575.0 million by 2029, according to the latest market study results. It is anticipated to expand at a CAGR of 10.64 percent during the forecast period.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global large tow carbon fiber market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the type, technology, application, and region. The global market for large tow carbon fiber can be segmented by type: 48K, 50K, 60K. The 48K segment held the largest share of the global large tow carbon fiber market in 2022 and

is anticipated to hold its share during the forecast period. Large tow carbon fiber market is further segmented by technology: PAN-based, pitch-based, others. Globally, the PAN-based segment made up the largest share of the large tow carbon fiber market. Based on application, the large tow carbon fiber market is segmented into: aerospace, energy, automotive, sports, others. The energy segment was the largest contributor to the global large tow carbon fiber market in 2022. On the basis of region, the large tow carbon fiber market also can be divided into: Asia-Pacific (ex. China), Europe, North America, China, RoW (Rest of World). China is estimated to account for the largest share of the global large tow carbon fiber market.

Market Segmentation

By type: 48K, 50K, 60K

By technology: PAN-based, pitch-based, others

By application: aerospace, energy, automotive, sports, others

By region: Asia-Pacific (ex. China), Europe, North America, China, RoW (Rest of World)

The global large tow carbon fiber market report offers detailed information on several market vendors, including Toray Industries, Inc., SGL Carbon SE, Mitsubishi Chemical Corporation, Teijin Limited, Solvay SA, China Petrochemical Corporation, Hexcel Corporation, Jilin Tangu Carbon Fiber Co., Ltd., Formosa Plastics Group, UMATEX JSC, among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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Scope of the Report

To analyze and forecast the market size of the global large tow carbon fiber market.

To classify and forecast the global large tow carbon fiber market based on type, technology, application, region.

To identify drivers and challenges for the global large tow carbon fiber market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global large tow carbon fiber market.

To identify and analyze the profile of leading players operating in the global large tow carbon fiber market.

Why Choose This Report

Gain a reliable outlook of the global large tow carbon fiber market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.
Strategy consulting and research support for three months.
Print authentication provided for the single-user license.

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Asia-Pacific (ex. China)

Europe

North America

China

RoW (Rest of World)

PART 9. KEY COMPANIES

Toray Industries, Inc.

SGL Carbon SE

Mitsubishi Chemical Corporation

Teijin Limited

Solvay SA

China Petrochemical Corporation

Hexcel Corporation

Jilin Tangu Carbon Fiber Co., Ltd.

Formosa Plastics Group

UMATEX JSC

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