

# Global Carbon Fibers Market Growth 2023-2029

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## Abstracts

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Carbon fiber is a long, thin strand of material about 0.0002-0.0004 in (0.005-0.010 mm) in diameter and composed mostly of carbon atoms. The carbon atoms are bonded together in microscopic crystals that are more or less aligned parallel to the long axis of the fiber. The crystal alignment makes the fiber incredibly strong for its size. Several thousand carbon fibers are twisted together to form a yarn, which may be used by itself or woven into a fabric. The yarn or fabric is combined with epoxy and wound or molded into shape to form various composite materials. Carbon fiber-reinforced composite materials are used to make aircraft carbon fiber compared to human hair and spacecraft parts, racing car bodies, golf club shafts, bicycle frames, fishing rods, automobile springs, sailboat masts, and many other components where light weight and high strength are needed.

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

This Insight Report provides a comprehensive analysis of the global Carbon Fibers 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 Carbon Fibers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Carbon Fibers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Carbon Fibers 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 Carbon Fibers.

The global Carbon Fibers market size is projected to grow from US\$ 1730.2 million in 2022 to US\$ 2245.9 million in 2029; it is expected to grow at a CAGR of 2245.9 from 2023 to 2029.

The major manufacturers of carbon fiber are Toray, Zoltek (Toray), Mitsubishi Rayon, Toho Tenax, SGL and so on. The top three accounted for about 45%.

North America is the main market, accounting for about 30%, followed by Europe at about 20%.

This report presents a comprehensive overview, market shares, and growth opportunities of Carbon Fibers market by product type, application, key manufacturers and key regions and countries.

#### Market Segmentation:

##### Segmentation by type

Regular-Tow Carbon Fiber

Large-Tow Carbon Fiber

##### Segmentation by application

Industrial Materials

Aerospace

Sports/Leisure

## Medical

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.

Toray

ZOLTEK (Toray)

Mitsubishi Rayon

Toho Tenax (Teijin)

Hexcel

Formosa Plastics Corp

SGL

Cytec Solvay

Dow Akso

Hyosung

Taekwang Industrial

Zhongfu Shenying

Jiangsu Hengshen

Weihai TuoZhan Fiber

Bluestar Fibres

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Carbon Fibers market?

What factors are driving Carbon Fibers market growth, globally and by region?

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

How do Carbon Fibers market opportunities vary by end market size?

How does Carbon Fibers break out type, application?

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

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