

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Carbon Fiber Reinforced Plastic (CFRP) Market 2018, Forecast to 2023

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Abstracts

CFRPs are high-strength and lightweight composite materials that contain a matrix, which is generally a polymer resin, and carbon fiber, a reinforcement material. Epoxy is the most commonly used polymer resin for manufacturing CFRPs. However, other polymers such as polyester, vinyl ester, or nylon are also used as reinforcement matrices. The properties of these plastics depend on the structure of the carbon fiber and that of the binding matrix (resin) material. Silica, rubber, and nanotubes are also used for reinforcement. The reinforcing phase is either in continuous or discontinuous form.

Scope of the Report:

This report focuses on the Carbon Fiber Reinforced Plastic (CFRP) in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

CFRP products offer higher weight saving and thus a better fuel economy than the traditional materials such as steel and aluminum. Vehicle manufacturers are obliged to reduce the average energy consumption of vehicles, and this goal can be met using lightweight products. In addition, increased demands for eco-friendly and low VOCs products in vehicles enhance the need for CFRP products in automotive industry. Aerospace industry has strict performance product requirements for applications in commercial aircrafts, engines, satellites, helicopters, and launchers. Structural material in aircrafts such as panelling interiors are made using CFRP products. Though CFRP

products offer such high weight savings, the price of CFRP products is approximately 10 times higher than the price of steel counterparts, which makes it difficult for CFRP products to expand in domestic markets. Only ultra-expensive vehicle manufacturers like Lamborghini use CFRP products for their supercars, which leads to uncertainty in supply of carbon fiber in automotive sector.

In terms of geography, EMEA accounted for the majority of shares in the carbon fiber reinforced plastic (CFRP) market during 2017. Our market analysts predict that this region will witness significant growth in the market till the end of the forecast period. The worldwide market for Carbon Fiber Reinforced Plastic (CFRP) is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Hexcel

HYOSUNG

Mitsubishi Materials

SGL

TEIJIN

TORAY INDUSTRIES

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

PAN-Based

Pitch-Based

Rayon-Based

Market Segment by Applications, can be divided into

Aerospace and Defense Industry

Wind Energy Industry

Automotive Industry

Sporting Goods Industry

Marine Industry

Others

There are 15 Chapters to deeply display the global Carbon Fiber Reinforced Plastic (CFRP) market.

Chapter 1, to describe Carbon Fiber Reinforced Plastic (CFRP) Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Carbon Fiber Reinforced Plastic (CFRP), with sales, revenue, and price of Carbon Fiber Reinforced Plastic (CFRP), in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Carbon Fiber Reinforced Plastic (CFRP), for each region, from 2013 to 2018;

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Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Carbon Fiber Reinforced Plastic (CFRP) market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Carbon Fiber Reinforced Plastic (CFRP) sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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