

Global Carbon Fiber Industry Report 2016

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Abstracts

This report provides detailed analysis of worldwide markets for Carbon Fiber from 2011-2016, and provides extensive market forecasts (2016-2021) by region/country and subsectors. It covers the key technological and market trends in the Carbon Fiber market and further lays out an analysis of the factors influencing the supply/demand for Carbon Fiber, and the opportunities/challenges faced by industry participants. It also acts as an essential tool to companies active across the value chain and to the new entrants by enabling them to capitalize the opportunities and develop business strategies.

Carbon-fiber-reinforced polymer, carbon-fiber-reinforced plastic or carbon-fiber-reinforced thermoplastic (CFRP, CRP, CFRTP or often simply carbon fiber, or even carbon), is an extremely strong and light fiber-reinforced plastic which contains carbon fibers. The spelling 'fibre' is common in British Commonwealth countries. CFRPs can be expensive to produce but are commonly used wherever high strength-to-weight ratio and rigidity are required, such as aerospace, automotive and civil engineering, sports goods and an increasing number of other consumer and technical applications. The binding polymer is often a thermoset resin such as epoxy, but other thermoset or thermoplastic polymers, such as polyester, vinyl ester or nylon, are sometimes used. The composite may contain other fibers, such as an aramid (e.g. Kevlar, Twaron), aluminium, ultra-high-molecular-weight polyethylene (UHMWPE) or glass fibers, as well as carbon fiber. The properties of the final CFRP product can also be affected by the type of additives introduced to the binding matrix (the resin). The most frequent additive is silica, but other additives such as rubber and carbon nanotubes can be used. The material is also referred to as graphite-reinforced polymer or graphite fiber-reinforced polymer (GFRP is less common, as it clashes with glass-(fiber)-reinforced polymer). In product advertisements, it is sometimes referred to simply as graphite fiber for short.

GCC's report, Global Carbon Fiber Industry Report 2016, has been prepared based on

the synthesis, analysis, and interpretation of information about the global Carbon Fiber market collected from specialized sources. The report covers key technological developments in the recent times and profiles leading players in the market and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of key industry players. The major players in the global Carbon Fiber market are Toray, Teijin, Mitsubishi Rayon, Cytec, Hexcal, DowAksa, SGL, FPC, Zoltek.

The report provides separate comprehensive analytics for the North America, Europe, Asia-Pacific, Middle East and Africa and Rest of World. In this sector, global competitive landscape and supply/demand pattern of Carbon Fiber industry has been provided.

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ABBREVIATIONS

DISCLAIMER

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