Carbon Fiber Market: By Type (PAN-Based Carbon Fiber, Rayon-Based Carbon Fiber, Gas-Phase-Grown Carbon Fiber) By End User & By Geography- Forecast (2015-2020)

Description:
Carbon fiber is a material which consists of very thin filaments of carbon atoms that have superior properties such as improved strength, increased stiffness, lower density, non-corrosiveness; electrical conductivity, and chemical inertness. These properties make it an ideal material in a variety of applications such as aerospace, military, automotive, sporting goods and industrial applications. Aerospace and automotive segments will be amongst the fastest growing segments for the next five years and the U.S. is projected to have the highest market share in carbon fiber production. The ever growing demand for fuel efficient vehicles is one of the major reasons of strong demand for carbon fiber as well as the focus on production of energy/electricity from renewable sources.

The market is dominated by the U.S. which has seen the highest consumption in the past years, owing to increased demand for carbon fiber in automotive and aerospace applications. The U.S. has seen the use of carbon fiber in the aerospace and defense industries create numerous opportunities. As per production capacities by region, North America contributes more than 30% of production followed by Europe and Japan. Production capacities are projected to have only moderate growth rates here as these companies only have limited access to the necessary technologies for manufacturing precursor materials and carbon fibre.

The global carbon fiber market can be categorized by their types, such as, Polyacrylonitrile (PAN) based, pitch-based, rayon-based and gas-phase-grown carbon fiber. Carbon fibers have their applications across various sectors such as automobile, industrial, aviation, military, electrical & electronic and medical sectors. Each of these segmentations has been studied to give comprehensive analysis of the global carbon fibers market. The overall market has also been consolidated from the perspective of different geographic locations into standard geographic regions and key economies for this market. Additionally, this report encompasses opportunity analysis, porter's analysis, pricing analysis and market forces such as drivers, constraints and challenges that are stated to affect the overall market.

Competitive landscape for each type of carbon fiber is highlighted and key market players are profiled with attributes of business overview, financials, business strategies, product portfolio and recent developments pertaining to carbon fibers. Market shares of the key players for 2014 are also provided. The report encompasses the most detailed and in-depth segmentation and analysis of the carbon fiber market for the period 2014 to 2020.

Most players in the global carbon fiber market are:
based in the U.S. and Japan.

The key market players include:
Cytec Industries,
Toray Industries,
SGL Carbon SE,
Hexcel Corporation,
Teijin Limited
Mitsubishi Rayon Carbon Fiber and Composites, Inc.

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