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Growth Opportunities in the Global Automotive Composites Carbon Fiber Market

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Abstracts

Trends, opportunities and forecast in this market to 2021 by application type (exterior, power train system, under body system, chassis system, pressure vessel, interior, and others), material (SMC, LFT, SFT, prepreg layup, RTM, and other thermosets) region (North America, Europe, and APAC/ROW)

The future of global automotive composites carbon fiber market looks promising with opportunities in various applications, including exterior, power train system, under body system, chassis system, pressure vessel, interior, and others. Carbon fiber in the global automotive composites market is forecast to grow at a CAGR of 10.4% from 2016 to 2021. The major growth drivers for this market are increasing automotive production and growing demand for lightweight materials due to stringent government regulations to increase fuel efficiency and reduce greenhouse gas emissions. Other major growth drivers include the growing demand for carbon fiber-reinforced plastics (CFRP) in luxury cars, race cars and other high-performance cars.

Emerging trends, which have a direct impact on the dynamics of the automotive composites carbon fiber industry, include development of transformative technologies and material systems to make carbon fiber parts for mass-volume vehicles.

A total of 130 figures / charts and 36 tables are provided in this 190-page report to help in your business decisions.

The study includes a forecast for global automotive composites carbon fiber market through 2022 segmented by application, material and region as follows:

Automotive composites carbon fiber market by Application Type (Value ($M) and

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Volume (M lbs) from 2010 to 2021):

Interior

Exterior

Under the body systems

Chassis System

Power train system

Pressure Vessel

Others

Automotive composites carbon fiber market by Material Type (Value ($M) and Volume (M lbs) from 2010 to 2021):

Sheet Molding Compound (SMC)

Short Fiber Thermoplastic (SFT)

Long Fiber Thermoplastic (LFT)

Prepreg

Others

Automotive composites carbon fiber market by Region Type (Value ($M) and Volume (M lbs) from 2010 to 2021):

North American

Europe

Asia Pacific (APAC) and the Rest of the World (ROW)

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Toray, Hexcel, Cytec Solvey Group, SGL, DOWAKSA, Hyosung Corporation, Formosa Plastic Corp, and Composite Holding Company are among the major suppliers of carbon fiber in the global automotive composites market.

Based on this comprehensive research, exterior is expected to remain the largest market, and chassis system is expected to show the highest growth rate during the forecast period from 2016 to 2021.

Within carbon fiber market for automotive, sheet molding compound (SMC), short fiber thermoplastic (SFT), long fiber thermoplastic (LFT), and prepreg, are the major materials to manufacture automotive components. LFT is expected to remain the largest market by value and volume, mainly driven by applications where high strength-to-weight ratios and high resistance to chemicals, heat and corrosion have prime importance.

Europe is expected to remain the largest market due to growing demand for lightweight, environmentally sustainable composite materials from the automotive industry. Government regulations, such as CAFE Standards in the US and carbon emission targets in Europe, are putting pressure on OEMs to incorporate lightweight materials to curb the overall vehicle weight, and this is the key driver for the use of carbon fiber in the automotive industry.

Some of the features of “Growth Opportunities for Carbon Fiber in the Global Automotive Composites Market 2016-2021: Trends, Forecast, and Opportunity Analysis” include:

Market size estimates: Global automotive composites carbon fiber market size estimation in terms of value ($M) and volume (M Lbs.) shipment.

Trend and forecast analysis: Global automotive composites carbon fiber market trend (2010-2015) and forecast (2016-2021) by segments and region.

Segmentation analysis: Automotive composites carbon fiber market market size by various applications such as application, and material in terms of value and volume shipment.

Growth opportunities: Analysis on growth opportunities in different applications.

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Strategic analysis: This includes M&A, new product development, competitive landscape, and expansion strategies of carbon fiber in the global automotive composites suppliers in the global automotive composites market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following 11 key questions:

Q.1.What are some of the most promising, high-growth segments in the market by application type (exterior, power train system, under body system, chassis system, pressure vessel, interior, and others), material (SMC, LFT, SFT, prepreg layup, RTM, and other thermosets, region (North America, Europe, and APAC/ROW)?

Q.2.Which segments will grow at a faster pace and why?

Q.3.Which region will grow at a faster pace and why?

Q.4.What are the key factors affecting market dynamics? What are the drivers, challenges, and business risks in the automotive composites carbon fiber market?

Q.5.What are the business risks and competitive threats in this market?

Q.6.What are the emerging trends in this market and the reasons behind them?

Q.7.What are some of the changing demands of customers in the automotive composites carbon fiber market?

Q.8.What are the new developments in the market? Whichautomotive composites carbon fiber companies are leading these developments?

Q.9.Who are the major automotive composites carbon fiber suppliers? What strategic initiatives are key players pursuing for business growth?

Q.10.What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

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Q.11.What M & A activity has occurred in the last 5 years and what is its impact on the industry?

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