

Growth Opportunities in the Global Composites Market

Published: May 2016

Trends, opportunities and forecast in this market to 2021 by fiber type (fiberglass, carbon fiber, aramid fiber), resin type (thermoplastic, polyester, epoxy, vinyl ester, phenolic, other thermoset), product form (CFRTP, short fiber TPs, LFRT, GMT, SMC, BMC), market segment (aerospace, construction, wind energy, marine, others), manufacturing (hand lay-up, spray-up, pultrusion, SMC/BMC, prepreg lay-up, injection molding, others), and region

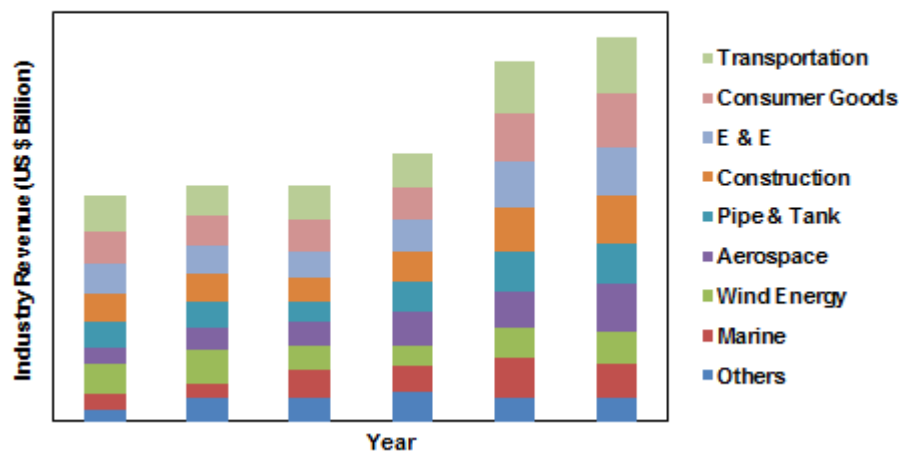
Report Features

The global composites market is anticipated to witness good growth with a CAGR of 5.1% over the next five years. The major drivers of growth for this market are double-digit growth in wind energy and strong growth in aerospace market. Increasing urban population and high growth in the building and infrastructure development are other major drivers.

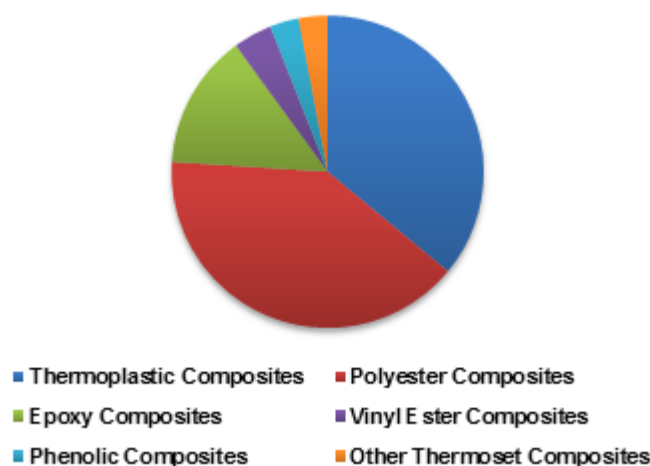
Emerging trends, which have a direct impact on the dynamics of the composites industry, include development of low-cost carbon fibers for automotive, wind and industrial applications. Development of high performance glass fiber and shorter cycle time of resin system is other emerging trends in composites industry.

A total of 242 figures / charts and 39 tables are provided in this 371-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of composites market report, download the report brochure.

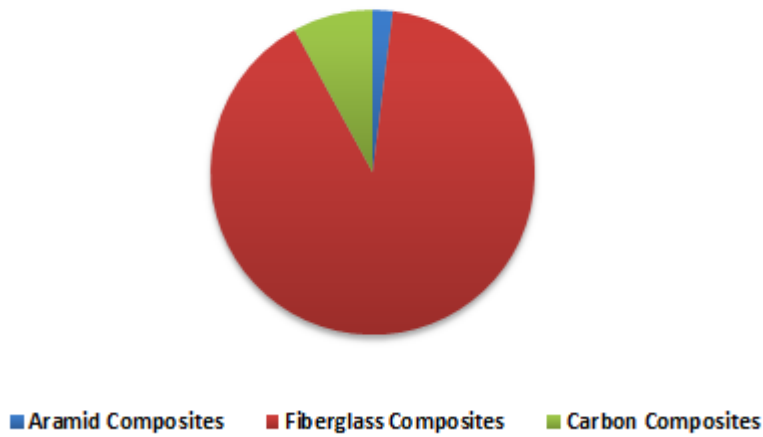
Global Composites Forecast by Market Segment: 2016-2021 - SAMPLE FIGURE



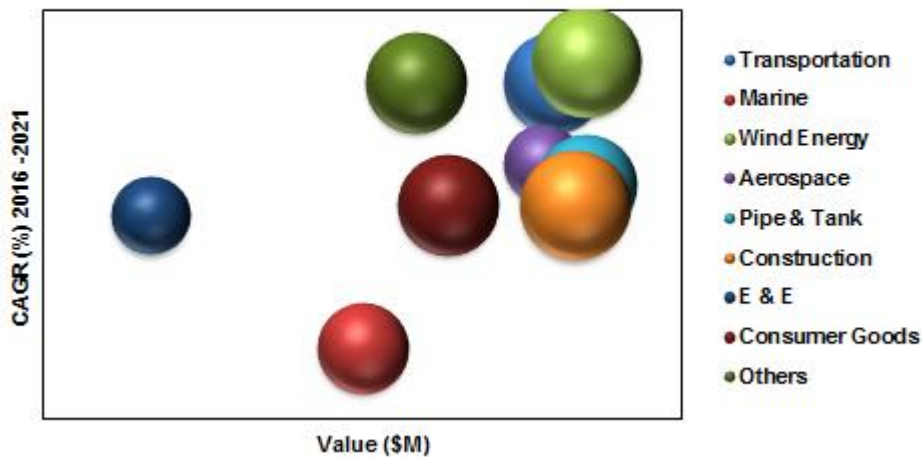
Global Composites Shipment by Resin Type: 2015 (Total Industry Size: M lbs) - SAMPLE FIGURE



Global Composites Shipment by Fiber Type: 2015 (Total Industry Size: M lbs) - SAMPLE FIGURE



Growth Opportunity and Different Application Market - SAMPLE FIGURE



The study includes a forecast of global composites market size and forecast for the global composites market through 2021, segmented by applications, resin, fiber, molding compounds, carbon fiber types, fiber glass types of product form, manufacturing process, raw material, and region as follows:

Composites market by applications [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Transportation
- Marine
- Wind energy
- Aerospace
- Pipe and tank
- Construction
- Electronic & electricals
- Consumer goods
- Others

Composites market by resin [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Thermoplastic composites
- Polyester composites

- Epoxy composites
- Vinyl ester composites
- Phenolic composites
- Other thermoset composites

Composites market by fiber [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Aramid composites
- Carbon composites
- Fiber glass composites

Composites market by molding compounds [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- SMC
- BMC
- TPC compounds (SFT & LFRT)
- Other composites

Composites market by carbon fiber types [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- PAN based carbon fiber
- PITCH based carbon fiber

Composites market by fiber glass types of product form [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Single end roving
- Multi-end roving
- Chopped strands
- Woven roving
- Fabrics
- Chopped strand mat
- Continuous filament mat
- Others

Composites market by manufacturing process [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Hand lay-up
- Spray-up
- Resin infusion (RRIM, RTM, VARTM)
- Filament winding
- Pultrusion
- SMC/BMC
- Panel manufacturing
- Prepreg lay-up

- Injection molding
- TPC comp.molding
- Others

Composites market by raw material [Value (\$M) and Volume (M lbs) shipment analysis for 2010 – 2021]:

- Polyester
- Epoxy
- Vinyl ester
- Phenolic
- Polyurethane
- Thermoplastic resins
- Fiberglass
- Aramid fiber
- Carbon fiber
- Filler
- Others

Composites market by region:

- North America
- Europe
- Asia Pacific
- ROW

The Asian region, which has already emerged as the largest growth area for the composites market, is expected to further consolidate its leadership. Asia is anticipated to have a market share of approximately 47.7% by volume in 2021. North America is expected to be second with an estimated market share of 26.2% in 2021. Nevertheless, comparatively lower levels of per capita composites consumption is anticipated to help high growth markets in BRIC countries sustain momentum for a longer period. On a global basis, the composites industry is forecast to grow by 3.5% in 2016. Improving economic conditions in major countries, such as the US and Europe are expected to propel the global composites market once again towards strong growth.

Lucintel's research further reveals that demand for composite materials in the aerospace sector is expected to witness the maximum growth among all sectors. Construction and transportation are anticipated to witness good growth in the next five years. Carbon fiber composite applications are expected to grow more rapidly compared to glass fiber applications.

In the future, Lucintel expects higher market fragmentation for the industry due to the emerging economies coming into play. The future market is expected to be highly competitive, and companies with innovative capabilities can be anticipated to thrive and gain market share.

This report by Lucintel provides a concise overview of the global composites market. The study contains detailed analysis of different raw material use such as glass fiber, carbon fiber, aramid fiber, UPR, epoxy, vinyl ester, phenolic, polyurethane and thermoplastic resin.

The data and analysis found in this report can be utilized for a variety of functional business reasons including business development, strategic planning, business presentations, determination of market size and trend, competitive analysis, investment decisions, business vision, and joint product development.

This report is a must-have report by every company working in the composites industry. In today's global economy, you need every advantage that you can find to keep you ahead in your business. Learn about current and future trends, identify key players, and explore the directions that the industry and different segments are heading.

Some of the features of “Growth Opportunities in Global Composites Market 2016-2021” include:

- Market size and growth rates of the global composites market.
- Market for FRP and advanced composites.
- Global composites market size in terms of value and volume.
- Global composites market trend (2010-2015) and forecast (2016-2021) in terms of value and volume by region, such as North America, Europe, Asia Pacific and ROW
- Global composites industry trend (2010-2015) and forecast (2016-2021) in terms of value and volume by application, such as Transportation, Marine, Wind energy, Aerospace, Pipe and tank, Construction, Electronic & Electricals, Consumer goods, and Others.
- Market size estimates for reinforcements and resins
- Market size estimates for global commodity composites and advanced composites
- Market size estimates of global composites by molding compounds.
- Market breakdown by applications and key regions of North America, Europe, Asia Pacific, and Rest of the World
- Market size estimates of global composites by end product market for 2015 and 2021
- Market size estimates of global carbon fiber market by tow size, pan and pitch type.
- Market size estimates of glass fiber and by type of product form.
- Composites market by country, such as China, India, US, and Germany
- Competitive analysis between steel, aluminum, plastics and the composites industry
- Market breakdown by manufacturing technologies by manufacturing process, by market segments, and by various material types
- Thermoset and thermoplastic composites market size
- Market outlook and global trends in automotive, marine, construction, aerospace and other important market segments with needs and challenges of various market segments
- Value chain analysis. Dollar and gross profit flow through various nodes of the value chain (from raw material to final application)
- Material price and property comparison. Fiber and resin price history and forecast. Material prices of fibers, resins, fabrics, prepregs, adhesives.
- Company profiles of material and end product manufacturers
- Current innovations in global composites market