

# Growth Opportunities in the Global Composites Industry

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Trends, opportunities and forecast in this market to 2022 by application type (transportation, marine, wind energy, aerospace, pipe & tank, construction, electrical & electronics, consumer goods, and others), raw material (glass fiber, carbon fiber, aramid fiber, polyester resin, vinyl ester, phenolic, polyurethane, thermoplastic resin, filler, and others), fiber type (glass fiber composites, carbon fiber composites, and aramid fiber composites)

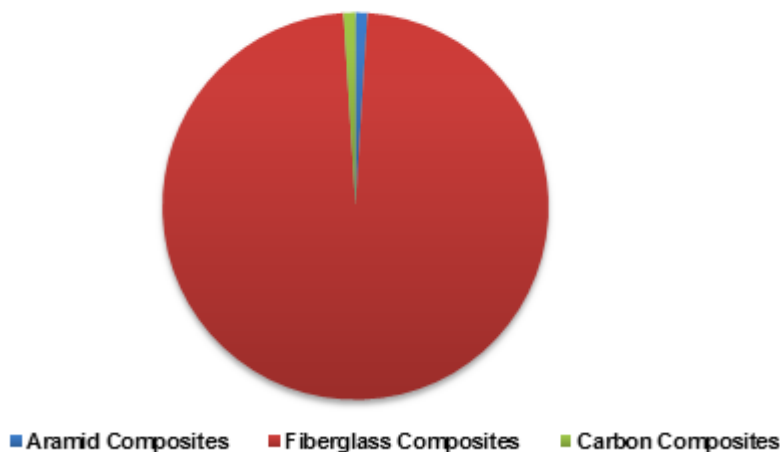
## Report Features

The future of the global composites market looks attractive, with opportunities in the transportation, construction, wind energy, pipe & tank, marine, consumer goods, electrical and electronic, aerospace and others. The global composite materials market is expected to reach an estimated \$39.1 billion by 2022 and it is forecast to grow at a CAGR of 5.1% from 2017 to 2022. The global composites end product market is expected to reach an estimated \$113.2 billion by 2022. The major drivers for growth in this market are increasing demand for lightweight materials in the aerospace & defense and automotive industry; corrosion and chemical resistance materials demand in construction and pipe & tank industry; electrical resistivity and low flame retardant materials demand in E&E industry.

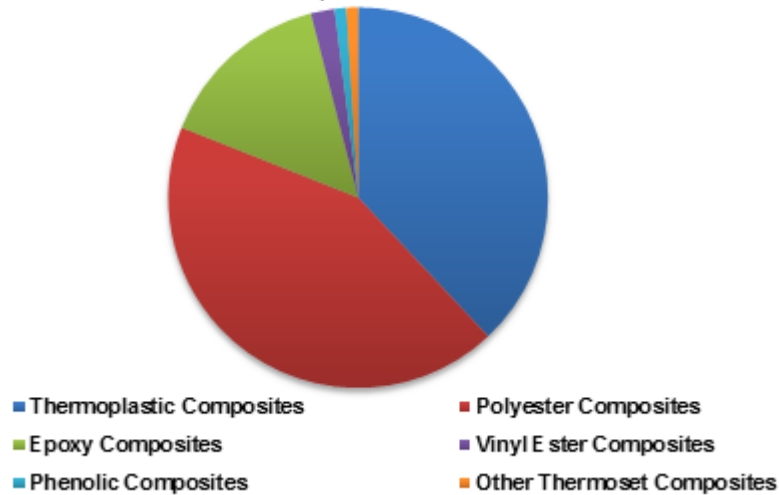
Emerging trends, which have a direct impact on the dynamics of the industry, include development of low-cost carbon fibers, high performance glass fiber and shorter cycle time of resin system.

A total of 240 figures / charts and 39 tables are provided in this 383-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 this report, download the report brochure.

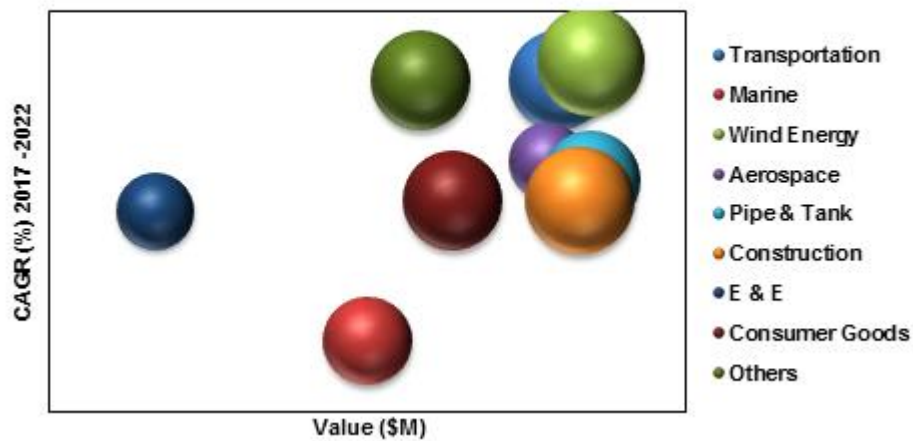
**Global Composites Shipment by Fiber Type: 2016 (Total Industry Size: M lbs)- SAMPLE FIGURE**



**Global Composites by Resin Type: 2016 (Total Industry Size: M lbs)- SAMPLE FIGURE**



**Growth Opportunity and Different Application Market- SAMPLE FIGURE**



The study includes a forecast for the global composites market by application, fiber type, resin type, manufacturing process, molding compound, country, and region, as follows:

**Global composites industry size by applications:**

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

**Global composites industry size by manufacturing process (\$ Million and Million Pounds)**

- Hand Lay-up
- Spray-up

- Resin Infusion (RRIM, RTM, VARTM)
- Filament Winding
- Pultrusion
- Injection Molding
- Compression Molding
- Prepreg Lay-up
- Other

**Global composites industry size by molding compounds (\$ Million and Million Pounds)**

- SMC
- BMC
- Thermoplastic Compounds ( SFT, LFT, GMT, CFT and Other)

**Global composites industry size by resin type (\$ Million and Million Pounds)**

- Polyester
- Epoxy
- Vinyl ester
- Phenolic
- Thermoplastics

**Global composites industry size by fiber type (\$ Million and Million Pounds)**

- Glass fiber
- Carbon fiber
- Aramid fiber

**Global composites industry size by fiber glass types (\$ Million and Million Pounds)**

- Single End Roving
- Multi End Roving
- Chopped Strands
- Woven Roving
- Fabrics
- Chopped Strand Mat
- Continuous Filament Mat
- Others

**Global composites industry size by carbon fiber types (\$ Million and Million Pounds)**

- PAN Based Carbon Fiber
- PITCH Based Carbon Fiber

**Global composites industry size by region (\$ Million and Million Pounds)**

- North America
- Europe
- Asia Pacific

- ROW

#### **Global composites industry size by country (Million Pounds)**

- USA
- Canada
- Mexico
- Germany
- UK
- France
- Italy
- Spain
- Netherland
- China
- India
- Japan
- South Korea
- Brazil
- Russia

On the basis of its comprehensive research, Lucintel forecasts that the segments of aerospace and wind energy are expected to show average growth during the forecast period from 2017 to 2022.

Within the global composites market, Injection molding, hand layup, compression molding, spray up, filament winding, resin infusion, and prepreg layup are some of the major processes utilized to manufacture composites part. Injection molding is expected to be the largest process in terms of value and volume in the composites manufacturing and majorly used in transportation, consumer goods and electrical electronics applications.

Asia Pacific is expected to remain the largest region by value and volume and is also expected to experience the highest growth over the forecast period because of growth in construction, transportation, and the electrical and electronics segments. The major drivers for growth are increasing automotive production, high growth in construction, and infrastructure development.

#### **Some of the features of “Growth Opportunities in Global Composites Market 2017-2022” 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 (2011-2016) and forecast (2017-2022) in terms of value and volume by region, such as North America, Europe, Asia Pacific and ROW.
- Global composites industry trend (2011-2016) and forecast (2017-2022) 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 in composites market.
- Market size estimates for global commodity composites and advanced composites in composites market.
- Market size estimates of global composites by molding compounds in composites market.

- Market breakdown of composites market 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 2016 and 2022.
- 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 of composites market by manufacturing technologies by manufacturing process, by market segments, and by various material types.
- Thermoset and thermoplastic composites market size in composites market.
- Market outlook and global trends in automotive, marine, construction, aerospace and other important market segments with needs and challenges of various market segments in composites market.
- Value chain analysis. Dollar and gross profit flow through various modes of the value chain (from raw material to final application) of composites market.
- Material price and property comparison. Fiber and resin price history and forecast. Material prices of fibers, resins, fabrics, prepregs, adhesives in composites market.
- Company profiles of material and end product manufacturers of composites market.
- Current innovations in global composites market.

**This report answers following 11 key questions:**

Q.1. What are some of the most promising, high-growth segments in the global composites market by application type (transportation, marine, wind energy, aerospace, pipe & tank, construction, electrical & electronics, consumer goods, and others), raw material (glass fiber, carbon fiber, aramid fiber, polyester resin, vinyl ester, phenolic, polyurethane, thermoplastic resin, filler, and others), fiber type (glass fiber composites, carbon fiber composites, and aramid fiber composites), resin type (polyester composites, epoxy composites, vinyl ester composites, phenolic composites, other thermosets, and thermoplastic composites), by molding compound (SMC, BMC, SFT, LFT, and other composites), and region (North America, Europe, APAC, and 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 this composites market?

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

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

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

Q.8.What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this composites market? What strategic initiatives are key players pursuing for business growth?

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

Q.11.What M & A activity has occurred in the composites market in last 5 years?

To learn the scope of, benefits and other details of this report, [download](#) the report brochure.