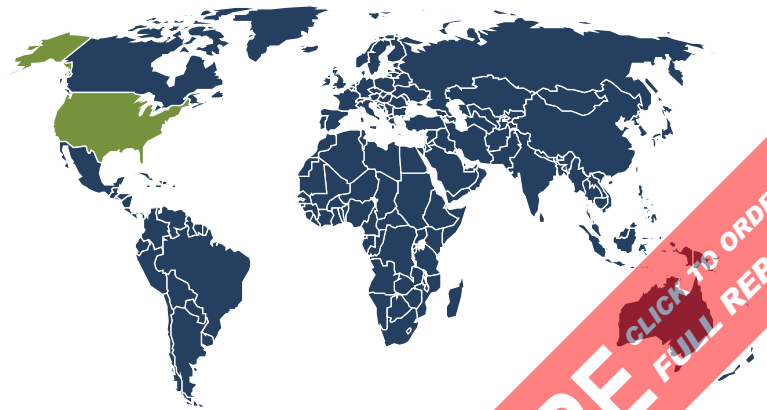




Freedonia Focus Reports
US Collection

Fiber-Reinforced Plastic Composites: United States

January 2017



Highlights

Market Environment

Historical Trends | Key Economic Indicators | Competitive Materials
Regulatory Factors | Fibers Overview

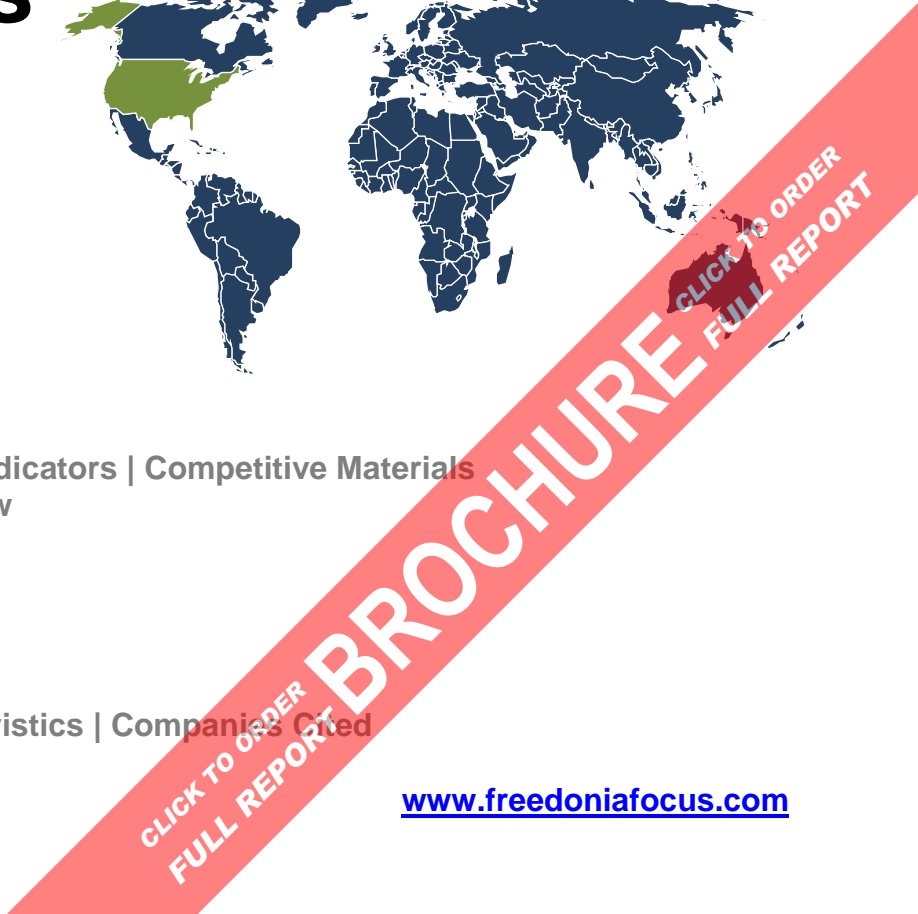
Segmentation and Forecasts

Resins | Markets

Industry Structure

Industry Composition and Characteristics | Companies Cited

Resources



ABOUT THIS REPORT

Scope & Method

This report forecasts US fiber-reinforced plastic composites demand in pounds to 2020.

Total demand is segmented by resin in terms of:

- thermoset polyester
- other thermosets such as vinyl ester, epoxy, and phenolics
- nylon
- thermoplastic polyester
- other thermoplastics such as polypropylene, styrenics, and polycarbonate.

As defined in this report, reinforced plastics are combinations of polymer resins and reinforcing fibers, including short fibers, chopped fibers, and fabric reinforcements. Data in this report include the weight of the basic resins, the reinforcing fibers, and other fillers or additives. The words “fiber-reinforced plastic composites”, “reinforced plastics”, and “composites” are used synonymously. Both captive and merchant consumption are included in the data.

Total demand is also segmented by market as follows:

- construction
- motor vehicles
- electrical and electronic products
- consumer durables
- other markets such as marine, wind energy, and aircraft.

To illustrate historical trends, total demand is provided in an annual series from 2005 to 2015; the various segments are reported at five-year intervals for 2010 and 2015.

This report quantifies trends in various measures of growth. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

Key macroeconomic indicators are also provided at five-year intervals with CAGRs for the years corresponding to other reported figures. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report

items by page is available in the [Table of Contents](#).

Sources

Fiber-Reinforced Plastic Composites: United States (FF55051) is based on [Fiber-Reinforced Plastic Composites Market in the US](#), a comprehensive industry study published by The Freedonia Group in January 2017. Reported findings represent the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources including:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- national, regional, and international non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other industry studies by The Freedonia Group.

Specific sources and additional resources are listed in the [Resources](#) section of this publication for reference and to facilitate further research.

Industry Codes

The topic of this report is related to the following industry codes:

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
325211	Plastics Material and Resin Mfg	2821	Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers

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3485 Fiber-Reinforced Plastic Composites Market in the US, January 2017

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<http://compositesmanufacturingmagazine.com>

CompositesWorld

www.compositesworld.com

ICIS Chemical Business

www.icis.com

IHS Chemical Week

www.chemweek.com

JEC Composites

www.jeccomposites.com

Plastics Engineering

www.plasticsengineering.org

Plastics News

www.plasticsnews.com

Plastics Technology

www.ptonline.com

Reinforced Plastics

www.reinforcedplastics.com

Agencies & Associations

American Chemistry Council – Plastics Division

plastics.americanchemistry.com

American Composites Manufacturers Association

www.acmanet.org

American Society of Mechanical Engineers

www.asme.org

Fiberglass Tank & Pipe Institute

www.fiberglassstankandpipe.com

International Association of Plastics Distribution

www.iapd.org

United States Census Bureau

www.census.gov

United States Environmental Protection Agency

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