

# **Global Composites Market 2011-2016: Opportunities, Market and Technologies, February 2011**

<https://marketpublishers.com/r/GD4DC1D55DDEN.html>

Date: February 2011

Pages: 316

Price: US\$ 7,300.00 (Single User License)

ID: GD4DC1D55DDEN

## **Abstracts**

### **Background:**

The Global Composites marketplace, after an extremely challenging 2009, rebounded in several segments and multiple geographies with an annual growth rate of 10.3%. Global composite materials market (fibers, resins, etc.) is expected to reach \$19 Billion in 2011.

There were dramatic changes in the composites market in 2009 & 2010. Prominent segments such as construction, automotive and marine rebounded with double-digit growth due to economic recovery in most regions. However, the wind energy segment declined in 2010 in North America, faced with low natural gas prices, difficult credit availability especially with the bankruptcy of Lehman, a stagnant market for electrical energy and a lack of required short term targets for renewable energy.

As per the study, BRIC (Brazil, Russia, India and China) nations are emerging as the largest regional composites market. Rapid infrastructure and economic growth are driving the growth of the BRIC nations' composites market.

This new in-depth report analyzes the status and future perspective of the composites industry at the end of 2010 and provides annual industry outlook for 2011. The report also addresses outlook for the next 5 years for the 8 major sectors of the composites industry and for 4 regions, thus tracking 32 sectors of the global composites industry. Key segments include transportation, marine, wind energy, aerospace, pipe and tank, construction, E&E, and consumer goods for each of four regions, North America, Europe, APAC and ROW. Each industry's outlook is determined by its own internal dynamics, by changes in the overall economy and relative adoption rates of composites.

Lucintel is of the view that several market segments will continue to grow in 2011 as economic recovery fully takes effect and a growth of 5.9% is expected in 2011. The report provides the reader with Lucintel's forecast for the 32 segments, supported by an analysis of the industry's trends, key drivers and challenges.

Material suppliers and product manufacturers need to continually stay abreast, critically analyze, and act fast to capture maximum market share, growth and profitability in various applications and markets. This condensed 316-page market report provides all of the latest and critical issues concerning materials, markets and technologies related to the multi-billion dollar composite materials industry. 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.

### **Features of This Report:**

To make any investment, business or strategic decisions, you need timely and robust market information. This market report fulfills this core need. This is an indispensable reference guide for composite material suppliers, product manufacturers, investors, researchers, engineers, distributors and many more, who are dealing with the composites industry. Some of the features of this market report are:

- Market size and growth rates of the global composites industry market. Market for FRP and advanced composites.

- Market size estimates for reinforcements and resins

- Market breakdown by application and region

- Composites market by country with growth potential in Indian and Chinese composite markets.

- Market breakdown by manufacturing technologies by Manufacturing process, by market segments by various material types

- Thermoset and Thermoplastic composites market size, trends and forecast.

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 of 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 more than 100 materials such as fibers, resins, fabrics, prepregs, adhesives, and metals.

A total of over 220 figures/charts and 70 tables presented in this report to help in your business plan.

### **Who Can Benefit From This Report?**

This study is intended for material suppliers, parts fabricators, OEMs, investors, executives and consultants. This multi-client market study from Lucintel is used by small to multi-national Fortune 500 companies and utilized for a variety of reasons as follows.

Business development

Strategic planning

Business presentation

Determination of market size and trend

Competitive analysis

Personnel training

Budgeting

Investment Decision

### **Research Methodology:**

Lucintel has been tracking the composites industry for over 10 years and has used the following sources for the completion of this valuable report.

In-depth personal and telephone interviews of more than 50 material suppliers and more than 500 molders.

In-depth research on more than 500 companies involved in the composites market.

Extensive search of current published literature, market and database information including news, articles published in the Composites-Week newsletter (publisher: Lucintel).

A compilation of the experiences, judgments, and insights of Lucintel's professionals, who have analyzed and tracked composites market over the years.

This particular study is a culmination of 8 years of our work in data collection, research, analysis and presentation.

Lucintel compiles vast amounts of data from numerous sources, validates the integrity of that data and performs a comprehensive analysis on it. Lucintel then organizes the data, its findings and insights into a concise report designed to support the strategic decision making process.

## Contents

### EXECUTIVE SUMMARY

Figure 1.1: Porter's Five Forces model for composites industry from the perspective of composite parts fabricators.

### 2. ABOUT THE COMPOSITES INDUSTRY

Figure 2.1: Classification of raw materials

Figure 2.2: Schematic flow chart on global composites industry

### 3. COMPETITIVE ANALYSIS BETWEEN STEEL, ALUMINUM, PLASTICS AND THE COMPOSITES INDUSTRY

Figure 3.1: Global shipments - competing material 2005 - 2010

Figure 3.2: Percentage distribution of competing materials in the Global industry in 2010

Figure 3.3: US Domestic Shipments by material type from 2005 to 2010

Figure 3.4: Percentage distribution of competing materials in the U.S. industry in 2010

Figure 3.5: Amount of steel, aluminum, plastic and composites shipment on a weight basis for the U.S. industry in 2010

Figure 3.6: Composites market potential in various market segments in 2010

Figure 3.7: Global Plastic Shipment 2005-2010

Figure 3.8: The US plastics industry total sales and captive use by type of resins

Figure 3.9: Plastics industry shipment distribution by type of resins

Figure 3.10: The US Thermoplastic shipment by market in 2010

Figure 3.11: Global steel shipment 2005-2010

Figure 3.12: Steel industry breakdown by major segments in 2010

Figure 3.13: Global primary aluminum shipments

Figure 3.14: Global Aluminum Shipment by Market

### 4. GLOBAL REINFORCEMENT MARKET

Figure 4.1: Global composites market distribution by fiber type in 2010

Figure 4.2: Global composites shipment by fiber type in 2010

Figure 4.3: Fiber market distribution in 2010 in global composites industry on weight basis

Figure 4.4: Fiber market shipment in 2010 in global composites industry on weight basis

Figure 4.5: Fiber market distribution for global composites industry in terms of \$ million

shipment in 2010

Figure 4.6: Fiber shipment in terms of \$ million in global composites industry in 2010

Figure 4.7: Composites applications by reinforcement form

Figure 4.8: Global fiberglass distribution by type of product form in 2010

Figure 4.9: Fiberglass distribution by type of product form in 2010

Figure 4.10: Percentage distribution of carbon fiber by precursor in terms of million lbs

Figure 4.11: Percentage distribution of carbon fiber by precursor in terms of \$ million

Figure 4.12: Percentage distribution of carbon fiber by tow size in terms of million lbs

Figure 4.13: Growth trend in the carbon fiber market in terms of lbs shipments  
(2005-2010)

Figure 4.14: Growth trend in the carbon fiber market in terms of \$ Mil shipments)  
(2005-2010)

## **5. GLOBAL RESIN MARKET**

Figure 5.1: Schematic representation of uncured polyester resin

Figure 5.2: Schematic representation of cured polyester resin

Figure 5.3: Schematic representation of uncured vinyl ester resin

Figure 5.4: Schematic representation of cured vinyl ester resin

Figure 5.5: Global composites market distribution (million lbs) by thermoset and thermoplastic resin composites in 2010

Figure 5.6: Global composites market shipment (mil. lbs) by thermoset and thermoplastic resins in 2010

Figure 5.7: Global composites market distribution (\$ million) by thermoset and thermoplastic resin composites in 2010

Figure 5.8: Global composites market shipment (\$ milion) by thermoset and thermoplastic resins in 2010

Figure 5.9: Global composites market breakdown by resin type in 2010

Figure 5.10: Global thermoset composites market breakdown by resin type in 2010

Figure 5.11: Global resin consumption (mil lbs) by resin type in 2010

Figure 5.12: Global resin shipment (\$ mil) by resin type in 2010

## **6. GLOBAL COMPOSITES MARKET BY MATERIAL TYPE**

Figure 6.1: Advanced composites market share in global composites industry in 2010

Figure 6.2: Advanced composites market size (million lbs) in global composites industry in 2010

Figure 6.3; Advanced composites market distribution (\$ shipment) in global composites industry in 2010

Figure 6.4: Advanced composites market size (\$ million) in global composites industry in 2010

Figure 6.5: Raw material shipment (million lbs) in global composites industry in 2010

Figure 6.6: Global composites market breakdown (%) by raw materials used in 2010

Figure 6.7: Raw material shipment (\$ million) in global composites industry in 2010

Figure 6.8: Global composites market breakdown (%, \$ million) by raw materials used in 2010

Figure 6.9: Global composites market distribution by thermoset and thermoplastic resin composites in 2010

Figure 6.10: Global composites market shipment (million lbs) by thermoset and thermoplastic resins in 2010

Figure 6.11: Global composites market shipment (\$ million) by thermoset and thermoplastic resins in 2010

Figure 6.12: Global thermoplastic composites market distribution by product form in 2010.

Figure 6.13: Global thermoplastic composites market shipment (million lbs) by material type in 2010

Figure 6.14: Global thermoplastic composites market distribution by \$ shipment.

Figure 6.15: Global thermoplastic composites market shipment (\$ million) by material type in 2010

Figure 6.16: Global composites market distribution by material form in 2010

Figure 6.17: Global composites market shipment (mil lbs) by material form in 2010

Figure 6.18: Global composites market shipment (\$ mil) by material form in 2010

## **7. GLOBAL COMPOSITES BY MARKET SEGMENTS**

Figure 7.1: Major OEMs/Molders in various market segments

Figure 7.2: Global composites distribution (%, mil lbs) in 2010 by end use application

Figure 7.3: Global composite shipments by application in 2010

Figure 7.4: Global composites distribution (%, \$ million) shipment in 2010 by end use application

Figure 7.5: Global composite shipments (\$ million) by applications in 2010

Figure 7.6: Composite materials shipment by region

Figure 7.7: Composites shipment (million lbs) by regions in the year 2010

Figure 7.8: Cost vs. performance criteria in various industries for composites usage

Figure 7.9: Composites distribution in the global transportation industry in 2010

Figure 7.10: Composites shipment (million lbs) in the global transportation industry in 2010

Figure 7.11: Composites distribution by region in the transportation industry in 2010



Figure 7.12: Composites shipment by region in the transportation industry in 2010

Figure 7.13: Trends (1991-2010) in total US light vehicle sales (in millions of units)

Figure 7.14: Trends (1991-2010) in segmented US light vehicle sales (in thousands of units)

Figure 7.15: Trend in composites shipment in global automobiles (2002-2010)

Figure 7.16: Chevrolet's 2008 Corvette ZR1 (source Chevrolet)

Figure 7.17: Composite cargo box of Honda's pickup truck – (source Ridgeline)

Figure 7.18: Manufacturing process breakdown for the global transportation industry in 2010

Figure 7.19: Composites shipment (million lbs) by manufacturing process for the transportation industry in 2010

Figure 7.20: Classification of aerospace market according to aircraft type

Figure 7.21: Composites distribution in the global aerospace industry in 2010

Figure 7.22: Composites shipment (million lbs) in the global aerospace industry in 2010

Figure 7.23: Composites distribution by region in the aerospace industry in 2010

Figure 7.24: Composites consumptions by region in aerospace industry in 2010

Figure 7.25: Evolution of Composites Applications in Commercial Aircraft

Figure 7.26: Different composite material systems in the Boeing 777

Figure 7.27: Material distributions in the Airbus A340 for buy and fly cases

Figure 7.28: Trend in total \$ shipment in global aerospace market

Figure 7.29: Trend in total number of aircraft deliveries by Boeing and Airbus in commercial aerospace market

Figure 7.30: Order vs. delivery of aircrafts by Boeing (2002-10)

Figure 7.31: Order vs. delivery of aircrafts by Airbus (2002-10)

Figure 7.32: Composites distribution in the global construction industry in 2010

Figure 7.33: Composites shipment (million lbs) in the global construction industry in 2010

Figure 7.34: The construction industry by region in 2010

Figure 7.35: Composites shipments in the construction industry by region in 2010

Figure 7.36: The U.S. Housing starts (1978-2010)

Figure 7.37: Trend in annual new home average prices in the US

Figure 7.38: Construction activity in EU (27) (2000-2010)

Figure 7.39: Corrosion market breakdown by type of applications

Figure 7.40: Percent comparison of petroleum tank shipments by construction material in North America

Figure 7.41: Percent comparison of septic tank shipments (in terms of number) by construction material in North America

Figure 7.42: Percentage distribution of sewage pipe market by type of material

Figure 7.43: Percentage distribution of oil and gas pipe market by type of material



- Figure 7.44: Composites distribution in the global pipe & tank industry in 2010
- Figure 7.45: Composites shipment (million lbs) in the global pipe & tank industry in 2010
- Figure 7.46: The pipe & tank industry by region in 2010
- Figure 7.47: Composites shipments in pipe & tank industry by region in 2010
- Figure 7.48: Composites in the marine industry in 2010
- Figure 7.49: Composites shipments in the marine industry in 2010
- Figure 7.50: Composite materials distribution by region in the marine industry in 2010
- Figure 7.51: Composites shipment by region in the marine industry in 2010
- Figure 7.52: U.S. recreational boating domestic boat unit shipment trends (1997 to 2010)
- Figure 7.53: Personal watercraft (PWC) market trend (1997-2010)
- Figure 7.54: Trend in regional shipment of composites in marine industry
- Figure 7.55: Composites distribution in consumer goods market in 2010
- Figure 7.56: Composites shipment in consumer goods industry in 2010
- Figure 7.57: Composites distribution by region in consumer goods industry
- Figure 7.58: Composites shipment (million lbs) by region in consumer goods industry in 2010
- Figure 7.59: Composites distribution in electrical/electronic industry
- Figure 7.60: Global composites shipment in electrical/electronic industry in 2010
- Figure 7.61: Composites distribution by region in electrical/electronic industry
- Figure 7.62: Composites shipment by region in electrical/electronics industry in 2010
- Figure 7.63: Composites distribution in wind energy
- Figure 7.64: Composites shipment (million lbs) in wind energy
- Figure 7.65: Composites distribution by region in wind energy industry
- Figure 7.66: Trend in composites shipment in global wind energy (2002-2010)
- Figure 7.67: Composites shipment in wind energy market in 2010
- Figure 7.68: Increase in wind energy capacity installations

## **8. GLOBAL COMPOSITES MARKET BY MANUFACTURING PROCESSES**

- Figure 8.1: Classification of composite processing techniques.
- Figure 8.2: Global composites distribution (mil lbs) by manufacturing processes in the year 2010
- Figure 8.3: Global composites shipment (million lbs) by manufacturing processes in the year 2010
- Figure 8.4: Global composites distribution (\$ mil) by manufacturing processes in the year 2010
- Figure 8.5: Global composites shipment (\$ mil) by manufacturing processes in the year 2010

Figure 8.6: Hand lay-up and sprayup process distribution by applications in 2010

Figure 8.7: Hand lay-up and spray up process shipment (million lbs) by applications in 2010

Figure 8.8: SMC/BMC molding distribution by applications in 2010

Figure 8.9: SMC/BMC molding shipment (million lbs) by applications in 2010

Figure 8.10: Pultrusion process distribution by applications in 2010

Figure 8.11: Pultrusion process shipment (million lbs) by applications in 2010

Figure 8.12: Market distribution of global composites industry by open and closed molding processes in 2010

Figure 8.13: Volume shipment in open and closed molding processes in 2010

Figure 8.14: Market distribution of thermoset composites industry by open and closed molding processes in 2010

Figure 8.15: Market distribution of global composites industry by open and closed molding processes in 2010

## **9. TRENDS AND FORECASTS**

Figure 9.1: Global composites market growth trends (2005-2010)

Figure 9.2: Comparative regional growth rates in composites industry in 2009 & 2010

Figure 9.3: Increase in wind energy capacity installations

Figure 9.4: Personal watercraft (PWC) market trend (1997-2010)

Figure 9.5: Composites market growth trends by regions (2005-2010)

Figure 9.6: Global composites market by region in 2005

Figure 9.7: Global composites market (M lbs) by region in 2010

Figure 9.8: Global composites market (US \$ M) by region in 2010

Figure 9.9: Comparative growth in composites shipment (M lbs) in various regions during last year

Figure 9.10: Growth rates in various market segments of the global composites industry in 2010

Figure 9.11: Average annual growth rates in various market segments of the global composites industry in last 5 years (2005-2010)

Figure 9.12: North American composites shipment (M lbs) by year (2005-2010)

Figure 9.13: Growth rates in various market segments of North American composites industry in 2010

Figure 9.14: Average annual growth rates in various market segments of the North American composites industry in last 5 years (2005-2010)

Figure 9.15: U.S. composites shipment trends by market segments (1970-2010)

Figure 9.16: Growth rate in various market segments in European composites market

Figure 9.17: Average annual growth rates in various market segments of the European

composites industry in last 5 years (2005-2010)

Figure 9.18: Growth rate in various market segments in Asian composites market

Figure 9.19: Average annual growth rates in various market segments of the Asian composites industry in last 5 years (2005-2010)

Figure 9.20: Regional leadership in composites shipment in various market segments in 2009

Figure 9.21: Regional leadership in composites shipment in various market segments in 2010

Figure 9.22: External forces shaping the composites industry

Figure 9.23: Consumer spending by year for the US. (1995 – 2010)

Figure 9.24: Quarterly consumer sentiment (US) for the period 2003-2010

Figure 9.25: Trend and forecast (1995 -2016) in the US GDP

Figure 9.26: Comparative GDP growth in major regions

Figure 9.27: Global composites market forecast (2011-2016)

Figure 9.28: Global composites market forecast by region (2011-2016)

Figure 9.29: Global composites distribution (M lbs) by region in 2016

Figure 9.30: Global composites distribution (US \$ M) by region in 2016

Figure 9.31: Global composites shipment by region in 2016

Figure 9.32: Growth opportunities in various market segments (2011-2016)

Figure 9.33: Opportunities for composite products in various market segments

Figure 9.34: Growth forecast in global composites shipment by market segments in 2011

Figure 9.35: Average annual growth forecast in next 5 years (2011-2016) in global composites shipment by market segments

Figure 9.36: Global composites shipment (Mil lbs) by market segment in 2011

Figure 9.37: Global composites shipment (Mil lbs) by market segment in 2016

Figure 9.38: Global composites shipment ( US \$ million) by market segment in 2016

Figure 9.39: Growth forecast in North American composites shipment by market segments in 2011

Figure 9.40: Average annual growth forecast in next 5 years (2011-2016) in North American composites industry by market segments

Figure 9.41: North American composites shipment (Mil lbs) by market segments in 2011

Figure 9.42: North American composites shipment (Mil lbs) by market segments in 2016

Figure 9.43: North American composites shipment (\$ million) by market segments in 2016

Figure 9.44: Growth forecast in European composites shipment by market segments in 2011

Figure 9.45: Average annual growth forecast in next 5 years (2011-2016) in European composites shipment by market segments

Figure 9.46: European composites shipment (M lbs) by market segments in 2011

Figure 9.47: European composites shipment (M lbs) by market segments in 2016

Figure 9.48: European composites shipment ( \$ Million ) by market segments in 2016

Figure 9.49: Growth forecast in Asian composites shipment by market segments in 2011

Figure 9.50: Average annual growth forecast in next 5 years (2011-2016) in Asian composites shipment by market segments

Figure 9.51: Asian composites shipment (M lbs) by market segments in 2011

Figure 9.52: Asian composites shipment (M lbs) by market segments in 2016

Figure 9.53: Asian composites shipment (US \$ million) by market segments in 2016

Figure 9.54: Open and closed molding distribution in 2010

Figure 9.55: Open and closed molding distribution in 2016

Figure 9.56: Global composites shipment by open and closed molding process in 2016

Figure 9.57: Global composites distribution (%) by manufacturing processes in 2016

Figure 9.58: Global composites shipment (M lbs) by manufacturing processes in 2016

Figure 9.59: Global composites distribution (% , US \$ M) by manufacturing processes in 2016

Figure 9.60: Global composites shipment (US \$ M) by manufacturing processes in 2016

## **10. REGIONAL ANALYSIS**

Figure 10.1: Global composites market by region in 2010

Figure 10.2: Global composites market shipment by region in 2010

Figure 10.3: Comparative global composites market shipment in 2010 vs. 2009

Figure 10.4: Regional breakdown of composites in various market segments in 2010

Figure 10.5: Composites market percentage distribution by leading countries

Figure 10.6: Composites shipment (million lbs) by top 10 leading countries of the world in 2010

Figure 10.7: Composites (lbs) per capita for top 10 leading countries of the world in 2010

Figure 10.8: Composites potential for top 10 leading countries of the world

Figure 10.9: Composites shipment distribution (%) in North American countries in year 2010

Figure 10.10: Composites shipment (million lbs) in North American countries in year 2010

Figure 10.11: Composites shipment distribution in western European countries in year 2010

Figure 10.12: Composites shipment in European countries in year 2010

Figure 10.13: Composites (lbs) per capita in European countries in year 2010

Figure 10.14: Composites shipment distribution (mil lbs) in Asia-Pacific countries in year 2010( %)

Figure 10.15: Composites shipment(mil lbs in Asia-Pacific countries in year 2010 (value wise )

Figure 10.16: Composites (m lbs) per capita in Asia-Pacific countries in year 2010

Figure 10.17: Composites market distribution by applications in North America in 2010

Figure 10.18: Composites shipment (mil lbs) in various applications in North America in 2010

Figure 10.19: Composites shipment (\$ mil) in various applications in North America in 2010

Figure 10.20: Composites market distribution by applications in Europe in 2010

Figure 10.21: Composites shipment (mil lbs) in various applications in Europe in 2010

Figure 10.22: Composites shipment (\$ mil) in various applications in Europe in 2010

Figure 10.23: Composites market distribution by applications in Asia in 2010

Figure 10.24: Composites shipment (mil lbs) in various applications in Asia in 2010

Figure 10.25: Composites shipment (\$ mil) in various applications in Asia in 2010

## **11. VALUE CHAIN ANALYSIS AND INDUSTRY LEADERS**

Figure 11.1: Value chain for the composites industry

Figure 11.2: Global composites market breakdown (mil lbs) by raw materials used in 2010

Figure 11.3: Raw materials (\$ Mil) shipment in global composites industry in 2010

Figure 11.4: Dollar (\$) and gross profit flow chart through various nodes of the value chain (from raw material to the end product)

Figure 11.5: Gross profit (\$ million) in raw materials (reinforcement and resins) market in 2010.

Figure 11.6: Gross profit distribution (%) by type of raw materials (fiberglass, carbon, polyester, epoxy) market in 2010

Figure 11.7: Market distribution (%) by value (\$) of the end product.

Figure 11.8: Size (\$ billion) of various market segments by value of composite products in 2010

Figure 11.9: Gross profit (\$ million) in various market segments

Figure 11.10: Gross profit distribution (%) by type of market segments



## List Of Tables

### LIST OF TABLES

(A total of 70 tables are presented in this report as shown below.)

Table 1.1: Global Composites market parameters and attributes – materials perspective

Table 1.2: Global Composites market parameters and attributes – end product market perspective

Table 3.1: Composites penetration in various market segments

Table 3.2: Plastic Materials Shipment for US Domestic market

Table 6.1: Global composites shipment by raw material type in 2010

Table 7.1: Impact properties of some selected materials

Table 7.2: Application of composite materials in the automotive industry

Table 7.3: Segmented US Light Vehicle Sales (in thousands of units)

Table 7.4: Applications of composite materials in aerospace structures

Table 7.5: Evolution of Composite Material Applications at Airbus

Table 7.6 :Aerospace structures made of composites

Table 7.7: Selected materials and processes for the Airbus A380

Table 7.8: Composite components in aircraft applications

Table 7.9: Structural Fabric Repair System

Table 8.1: Ranking of manufacturing processes based on annual shipment

Table 9.1: Market trends (2005-2010) in global composites shipment

Table 9.2: Average growth rates for 1, 10, 20, 30 and 40 years in the US composites industry

Table 9.3: Average annual growth rates in various regions of the global composites industry

Table 9.4: Market size and annual growth rates in various segments of global composites industry

Table 9.5: Market size and annual growth rates during last 5 years (2005-2010) in various market segments of global composites industry

Table 9.6: Market trends (2005-2010) in North American composites shipment

Table 9.7: Average annual growth rates during last 10, 20, 30, and 40 years (1970-2010) in various market segments of the US composites industry

Table 9.8: GDP and unemployment rate for leading countries. (Source: The Economist)

Table 9.9: Interest and exchange rates for leading countries. (Source: The Economist)

Table 9.10: Forecast for select markets

Table 9.11: Average annual growth forecasts in various regions of the global composites industry (2011-2016)

Table 9.12: Market size and annual growth forecasts during the next 5 years

(2011-2016) in various market segments of the global composites industry

Table 10.1: Average annual growth rates in various regions of the global composites industry

Table 10.2: Ranking of top 10 countries of world in terms of composites shipment

Table 10.3: Ranking of 5 leading countries in Europe in terms of composites shipment

Table 10.4: Ranking of 5 leading countries in Asia-Pacific in terms of composites shipment

Table 10.5: Ranking of 5 leading applications in North American composites industry

Table 10.6: Ranking of 6 leading market segments in the European composites industry

Table 10.7: Ranking of 5 leading applications in Asia-Pacific region

Table 11.1: Financial results of industry leaders in the material supplier category

Table 11.2: Financial results of industry leaders in various market segments

Table 12.1: Impact properties of some selected materials.

Table 12.2; Maximum continuous use temperatures for various thermosets and thermoplastics.



## I would like to order

Product name: Global Composites Market 2011-2016: Opportunities, Market and Technologies, February 2011

Product link: <https://marketpublishers.com/r/GD4DC1D55DDEN.html>

Price: US\$ 7,300.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GD4DC1D55DDEN.html>