

# **Growth Opportunities in the Indian Composites Market: 2016-2021 Trends, Forecast, and Opportunity Analysis, July 2016**

<https://marketpublishers.com/r/GF74A632D50EN.html>

Date: August 2016

Pages: 184

Price: US\$ 4,850.00 (Single User License)

ID: GF74A632D50EN

## **Abstracts**

According to a new market report published by Lucintel, the future of the Indian composites market looks attractive with opportunities in the electrical and electronic, wind energy, pipe and tank, transportation, and construction industries. The Indian composites market is expected to reach an estimated \$2.0 billion by 2021. The Indian composites market is forecast to grow at a CAGR of 14.1% by value from 2016 to 2021. The major driver for market growth is the rise in demand for electrical and electronic, wind energy, and pipe and tank applications due to increase in the number of government projects like smart cities development, eco-friendly energy generation, fresh water transportation, sewage treatment system, rehabilitation of water and sewage pipe lines.

In this market, pipe and tank, transportation, wind energy, aerospace and defense, construction, marine and electrical and electronics are major end use applications of composites. Lucintel predicts that the demand for electrical and electronics in the Indian composites market is expected to experience the highest growth in the forecast period, supported by increasing number of government projects in the infrastructure development which will drives the installation of various electric composites products like FRP aerial fuse board, FRP 'V' type arms and straight cross arms in the rec design, and enclosures. On the basis of its comprehensive research, Lucintel forecasts that pipe and tank, transportation, and wind energy expected to show above average growth during the forecast period.

Within the Indian composites market, pipe and tank application is expected to remain the largest market by value and volume consumption. Increasing establishment of water supply system for industrial and household application, renovation of sewage system,

and water harvesting to provide potable water is expected to spur growth for this segment over the forecast period.

By manufacturing technology, hand lay-up process is the largest manufacturing process used to manufacture composites parts, whereas by polymer type, thermoset resin covers the largest market share in the Indian composites market.

For business expansion, this report suggests new product development to low-cost solutions and diversification in new applications. Emerging trends, which have a direct impact on the dynamics of the industry, include emergence of new application areas and capacity expansion/partnership by the competitors like Momentive Speciality Chemicals' joint venture with Kanoria Chemicals, Satyen Polymer's with Scott Bader, Toho Tenax's with Hindoostan Technical Fabrics Limited, 3B's with Braj Binani Group, and PD FiberGlass's with Arvind Advance Materials to tap future potential composites market in India. Goa Glass fiber, Owens Corning, Reichhold, Satyen polymers, Atul Pvt. Ltd., Aditya Birla, Hexion, and Huntsman, are among the major suppliers of fiber and resin.

Lucintel, a leading global strategic consulting and market research firm, has analyzed growth opportunities in the Indian composites market by end-use application, manufacturing technology, material and polymer types and has come up with a comprehensive research report, "Growth Opportunities in the Indian Composites Market 2016-2021: Trends, Forecast, and Opportunity Analysis." The Lucintel report serves as a spring board for growth strategy as it provides a comprehensive data and analysis on trends, key drivers, and directions. The study includes a forecast for the growth opportunities in the Indian composites market by end-use application, manufacturing technology, material and polymer types as follows:

By end use application (Volume (Million Pounds) and \$ Million shipment from 2010 to 2021):

Pipe and Tank

Transportation

Wind Energy

Aerospace and Defense

Construction

Marine

Electrical and Electronics

Others

By manufacturing technology (Volume (Million Pounds) shipment of 2015):

Hand Lay-up

Filament Winding

Pultrusion

RTM/VRTM

Compression Molding

Thermoplastic Molding

Others

By material type (Volume (Million Pounds) from 2010 to 2021):

Fiberglass

Resin

By polymer type (Volume (Million Pounds) shipment of 2015):

Thermoplastic

Thermoset

This unique report from Lucintel will provide you with valuable information, insights, and tools needed to identify new growth opportunities and operate your business successfully in this market. This report will save hundreds of hours of your own personal research time and will significantly benefit you in expanding your business in this market. In today's stringent economy, you need every advantage that you can find.

## Contents

### 1. EXECUTIVE SUMMARY

### 2. INDUSTRY BACKGROUND AND CLASSIFICATIONS

#### 2.1: Introduction

2.1.1: Evolution of the Composites Market in India

2.1.2: Market Served

#### 2.2: Industry Classifications

#### 2.3: Supply Chain for the Indian Composites Market

### 3. MARKET TRENDS AND FORECAST ANALYSIS

#### 3.1: India Composites Market Analysis 2015

##### 3.1.1: Composites Market by Application

3.1.1.1: Pipe and Tanks

3.1.1.2: Wind Energy

3.1.1.3: Transportation

3.1.1.4: Marine

3.1.1.5: Electrical and Electronics

3.1.1.6: Construction

3.1.1.7: Aerospace/Defense

#### 3.2: Composites Market by Manufacturing Technology

#### 3.3: Composites Shipment by Polymer Type

#### 3.4: GDP Trend and Forecast

3.4.1: Sectoral Contribution

3.4.2: India Social Indicators

3.4.3: Export and Import Market

#### 3.5: Trends of the Indian Composites Market from 2010 to 2015

3.5.1: Trend in Indian Composites Market by Application

#### 3.6: Forecast for the Indian Composites Market from 2016 to 2021

3.6.1: Forecast in Indian Composites Market by Application

#### 3.7: Indian Fiberglass Market

3.7.1: Breakdown of the Fiberglass Market by Product Form

#### 3.8: Indian Resin Market

### 4. COMPETITOR ANALYSIS

- 4.1: Product Portfolio Analysis
- 4.2: Operational Integration
- 4.3: Porter's Five Forces Analysis

## **5. GROWTH OPPORTUNITY AND STRATEGIC ANALYSIS**

- 5.1: Growth Opportunities Analysis
- 5.2: Emerging Trends of the Indian Composites Market
- 5.3: Composites consumption by Country
- 5.4: Strategic Analysis
  - 5.4.1: New Product Development
  - 5.4.2: Capacity Expansion in Indian Composites Industry
  - 5.4.3: Certification and Licensing
  - 5.4.4: Mergers, Acquisitions and Joint Ventures in the Indian Composites Industry

## **6. COMPANY PROFILE OF LEADING PLAYERS**

## List Of Figures

### LIST OF FIGURES

#### CHAPTER 2. INDUSTRY BACKGROUND AND CLASSIFICATIONS

- Figure 2.1: Evolution of Composites Application Development in India
- Figure 2.2: Composites Application Development in India by Decade
- Figure 2.3: Trends of Indian Composites Market (Million Pounds) from 1981 to 2015
- Figure 2.4: Indian Composites Market
- Figure 2.5: Wind Turbine (Source: PE Composites)
- Figure 2.6: Application of Composites in Various Automotive Components
- Figure 2.7: Different FRP Parts for Railway End Use Applications
- Figure 2.8: Application of Composites in Marine Industry
- Figure 2.9: Classification of Composites Raw Material
- Figure 2.10: Supply Chain for Indian Composites Market

#### CHAPTER 3. MARKET TRENDS AND FORECAST ANALYSIS

- Figure 3.1: Indian Composites Market (Million Pounds) Distribution by End Use Application in 2015
- Figure 3.2: Indian Composites Market Shipment (Million Pounds) by End Use Application in 2015
- Figure 3.3: Indian Composites Market (\$M) Distribution by End Use Application in 2015
- Figure 3.4: Indian Composites Market Shipment (\$M) by Application in 2015
- Figure 3.5: Indian Composites Market (Million Pounds) of Pipe and Tank Applications in 2015
- Figure 3.6: Indian Composites Market (\$M) of Pipe and Tank Applications in 2015
- Figure 3.7: Indian Composites Market (Million Pounds) of Wind Energy Applications in 2015
- Figure 3.8: Indian Composites Market (\$M) of Wind Energy Applications in 2015
- Figure 3.9: Indian Composites Market (Million Pounds) of Transportation Applications in 2015
- Figure 3.10: Indian Composites Market (\$M) of Transportation Application in 2015
- Figure 3.11: Indian Automobile Production (Million Units) by Type of Vehicle in 2015
- Figure 3.12: Indian Automobile Production by Type of Vehicle (Million Units) in 2015
- Figure 3.13: Indian Composites Market (Million Pounds) of Marine Application in 2015
- Figure 3.14: Indian Composites Market (\$M) of Marine Application in 2015
- Figure 3.15: Factors Influencing the Luxury Boat Industry

Figure 3.16: Indian Composites Market (Million Pounds) of Electrical and Electronics Applications in 2015

Figure 3.17: Indian Composites Market (\$M) of Electrical and Electronics Applications in 2015

Figure 3.18: Flowchart for the Production of Printed Circuit Board

Figure 3.19: Indian Composites Market (Million Pounds) of Construction Applications in 2015

Figure 3.20: Indian Composites Market (\$M) of Construction Application in 2015

Figure 3.21: Indian Composites Market (Million Pounds) of Aerospace and Defense Applications in 2015

Figure 3.22: Indian Composites Market (\$M) of Aerospace and Defense Applications in 2015

Figure 3.23: Indian Composites Market (Million Pounds) by Manufacturing Technology in 2015

Figure 3.24: Indian Composites Market (Million Pounds) Distribution by Polymer Type in 2015

Figure 3.25: Indian Composites Market (Million Pounds) by Polymer Type in 2015

Figure 3.26: Trends of Real GDP Growth Rate in India from 2010 to 2015 (Source: IMF)

Figure 3.27: Forecast for Real GDP Growth Rate in India from 2016 to 2021 (Source: Lucintel)

Figure 3.28: GDP Sectoral Contribution in 2015

Figure 3.29: Trends of Population Growth Rate from 2010 to 2015 (Source: IMF and Lucintel)

Figure 3.30: Forecast for Population Growth Rate from 2016 to 2021 (Source: IMF and Lucintel)

Figure 3.31: Trends of Inflation Rate from 2010 to 2015 (Source: Reserve Bank of India)

Figure 3.32: Forecast for Inflation Rate from 2016 to 2021 (Source: Reserve Bank of India)

Figure 3.33: Trends of Unemployment Rate from 2010 to 2015 (Source: IMF and Lucintel)

Figure 3.34: Forecast for Unemployment Rate from 2016 to 2021 (Source: IMF and Lucintel)

Figure 3.35: Trend of Total Indian Import-Export Market (\$M) from 2010 to 2015

Figure 3.36: Trends of Total Indian Export Market (Million Pounds) of Thermoset Resins from 2010 to 2015

Figure 3.37: Trends of Total Indian Import Market (Million Pounds) of Thermoset Resins from 2010 to 2015

Figure 3.38: Trends of Total Indian Import-Export Market (Million Pounds) of Polyester Resin from 2010 to 2015



Figure 3.39: Trends of Total Indian Import-Export Market (M lbs) of Epoxy Resin from 2010 to 2015

Figure 3.40: Trends of Total Indian Import-Export Market (Million Pounds) of Acrylic Resin from 2010 to 2015

Figure 3.41: Trends of Indian Composites Shipment (Million Pounds) from 2010 to 2015

Figure 3.42: Indian Composites Market (Million Pounds) Distribution by End Use Application in 2010

Figure 3.43: Indian Composites Market (Million Pounds) Distribution by End Use Application in 2015

Figure 3.44: Trends of Indian Composites Market (Million Pounds) by End Use Application from 2010 to 2015

Figure 3.45: CAGR of Indian Composites Market (Million Pounds) by End Use Application from 2010 to 2015

Figure 3.46: Growth Rate of Indian Composites Market (Million Pounds) by End Use Application during 2014-2015

Figure 3.47: Trends of India Wind Energy Capacity Installation (Cumulative) from 2010 to 2015

Figure 3.48: Year-over-Year Wind Energy Capacity Addition in India from 2010 to 2015

Figure 3.49: Trends of Electricity Production (BU) in India from 2010 to 2015

Figure 3.50: Trends of Vehicle Production in India from 2010 to 2015

Figure 3.51: Trends of the Indian Automobile Production in India from 2010 to 2015

Figure 3.52: Trends of Indian Consumer Electronics Production from 2010 to 2015

Figure 3.53: Forecast for the Indian Composites Market (Million Pounds) from 2016 to 2021

Figure 3.54: Forecast for the Indian Composites Market (Million Pound) by End Use Application from 2016 to 2021

Figure 3.55: Forecast for the Indian Composites Market (Million Pounds) Distribution by End Use Application in 2016

Figure 3.56: Forecast for the Indian Composites Market (Million Pounds) Distribution by End Use Application in 2021

Figure 3.57: Growth Forecast for the Indian Composites Market (Million Pounds) by Application from 2016 to 2017

Figure 3.58: CAGR of the Indian Composites Market (\$M) by End Use Application from 2016 to 2021

Figure 3.59: Fiberglass Demand – India and Rest of the World in 2015

Figure 3.60: Amount of Fiberglass Shipment in India and Rest of the World in 2015

Figure 3.61: Fiberglass Demand – India and Rest of the World in 2021

Figure 3.62: Amount of Fiberglass Shipment in India and Rest of the World in 2021

Figure 3.63: Fiberglass End Use Applications by Manufacturing Process and

## Reinforcement Form

Figure 3.64: Trends of Fiberglass Production in India from 2010 to 2015

Figure 3.65: Fiberglass Market (Million Pounds) Distribution by Type of Product in 2015

Figure 3.66: Fiberglass Market (Million Pounds) Breakdown by Type of Products in 2015

Figure 3.67: Forecast for Fiberglass Production in India from 2016 to 2021

Figure 3.68: Emphasis on Cost and Performance by Various Industries

Figure 3.69: Trends of Resin Consumption (Million Pounds) in the Indian Composites Market from 2010 to 2015

Figure 3.70: Forecast for Resin Consumption (Million Pounds) in the Indian Composites Market from 2016 to 2021

## **CHAPTER 4. COMPETITOR ANALYSIS**

Figure 4.1: Mapping of Leading Composites Suppliers based on Raw Materials in the Indian Composites Market

Figure 4.2: Operational Integration of the Key Indian Composites Manufacturers

Figure 4.3: Porter's Five Forces Analysis of India's Composites Industry by Materials Perspective

## **CHAPTER 5. GROWTH OPPORTUNITY AND STRATEGIC ANALYSIS**

Figure 5.1: Growth Opportunities in the Indian Composites Market

Figure 5.2: Emerging Trends in the Indian Composites Market

Figure 5.3: Focused R&D Projects of the Indian Composites Market

Figure 5.4: Composites (Pounds) Per Capita of Top 12 Leading Countries of the World in 2015

Figure 5.5: Composites Potential for Top 12 Leading Countries of the World

Figure 5.6: New Product Launches in terms of Raw Materials in the Indian Composites Market in 2014

Figure 5.7: Capacity Building by Leading Players of the Indian Composites Market during the trend period (2010-2015)

## List Of Tables

### LIST OF TABLES

#### CHAPTER 1. EXECUTIVE SUMMARY

Table 1.1: India Composites Market Parameters and Attributes – Materials Perspective

Table 1.2: India Composites Market Parameters and Attributes – End Product Market Perspective

#### CHAPTER 3. INDUSTRY BACKGROUND AND CLASSIFICATIONS

Trends, Forecast, and Opportunity Analysis

Table 3.1: State-Wise Water Projects under Pipeline in India 2015

Table 3.2: Major Ongoing and Proposed Domestic Pipeline Projects

Table 3.3: Six Major Airport Passenger Traffic (Million) in India 2015

Table 3.4: Ranking of Top Three Manufacturing Technologies Based on Annual Composites Consumption

Table 3.5: Indian Economy – Selected Indicators

Table 3.6: GDP Growth Percentage across Sectors (Source: RBI)

Table 3.7: Rank of India in terms of GDP growth rate in 2015

Table 3.8: Exports by Application

Table 3.9: Market Trends from 2010 to 2015 in the Indian Composites Shipment

Table 3.10: Average Growth Rates for One, Three, and Five years in the Indian Composites Market in Terms of Volume Shipment

Table 3.11: Market Size and Growth Rates from 2014 to 2015 in Various Application Segments of the Indian Composites Market in Terms of Volume Shipment

Table 3.12: Market Size and Annual Growth Rates from 2010 to 2015 in Various End Use Application Segments of the Indian Composites Market in Terms of Value and Volume Shipment

Table 3.13: Market Size and Annual Growth Forecasts for Shipments Volume during the Next Five Years from 2016 to 2021 in Various End Use Application Segments of the Indian Composites Market

Table 3.14: Market Forecast (from 2016 to 2021) in Indian Composites Market Shipments

Table 3.15: Average Growth Rates for One, Three, and Five Years in the Indian Composites Market in Terms of Volume

Table 3.16: Market Size and Annual Growth Rates from 2016 to 2021 in Various End Use Application Segments of Indian Composites Market in Terms of Value and Volume

Shipment

## **CHAPTER 5. GROWTH OPPORTUNITY AND STRATEGIC ANALYSIS**

Table 5.1: New Product Launches by Major Indian composites manufacturers during Last Five Years

Table 5.2: New Product Launches by Major Indian composites manufacturers during Last Five Years

Table 5.3: Certification and Licenses Acquired by Major Competitors in Indian Composites Market

## I would like to order

Product name: Growth Opportunities in the Indian Composites Market: 2016-2021 Trends, Forecast, and Opportunity Analysis, July 2016

Product link: <https://marketpublishers.com/r/GF74A632D50EN.html>

Price: US\$ 4,850.00 (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/GF74A632D50EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

