

# Advanced Composites Market by Fiber Type (Carbon, S-Glass, Aramid), Resin Type (Thermosetting, Thermoplastic), Manufacturing Process (Filament Winding, Injection Molding, Pultrusion), End-use Industry, Region - Global Forecast to 2022

<https://marketpublishers.com/r/A652C16CCDDEN.html>

Date: October 2017

Pages: 181

Price: US\$ 5,650.00 (Single User License)

ID: A652C16CCDDEN

## Abstracts

The advanced composites market is projected to reach USD 38.41 billion by 2022 from an estimated USD 22.91 by 2017, at a CAGR of 10.89% between 2017 and 2022. Increasing use of advanced composites in the aerospace & defense, transportation, sporting goods, wind energy, and civil engineering end-use industries is driving the growth of the advanced composites market across the globe. However, the high processing and manufacturing costs of advanced composites and lack of standardization in advanced composite manufacturing technologies are factors expected to restrain the growth of the advanced composites market during the forecast period.

In terms of both, volume and value, the aerospace & defense industry segment is projected to lead the advanced composites market during the forecast period

The aerospace & defense industry is projected to lead the advanced composites market during the forecast period. The growth of this industry segment of the advanced composites market can be attributed to increased use of advanced composites in aircraft structures. Advanced composites are used in various aircraft structures such as wings, fuselage, and aircraft interiors, among others as these can survive extreme operating conditions such as high stress, shocks, and impact loads. Thus, there is an increase in the demand for advanced composites for the manufacture of new generation aircraft such as Airbus A350 XWB and A320neo, and the Boeing 787 and 737 MAX.

The Europe advanced composites market is projected to grow at the highest CAGR in terms of both, value and volume between 2017 and 2022

North America is the largest consumer of advanced composites in the world, followed by Europe. Both, Europe and North America are expected to be the most promising markets for advanced composites during the next five years. Mass production in the transportation and aerospace & defense industries with the use of advanced composites is a major factor that is expected to lead to the growth of the Europe and North America advanced composites markets. The US is the largest market in North America due to a high demand for advanced composites from the transportation and aerospace & defense industries.

In the process of determining and verifying the market sizes gathered through secondary research for the composites market, its segments and subsegments, extensive primary interviews have been conducted. The breakdown of these primary interviews has been given as follows:-

By Company Type: Tier 1—10%, Tier 2—25%, and Tier 3—65%.

By Designation: C-level—10%, Director Level—30%, and Others—60%

By Region: North America—20%, Europe—15%, Asia Pacific—45%, South America—11%, and the Middle East & Africa—9%

Advanced composites are also being used in various other applications such as medical, oil & gas, and energy & power, among others. These are being used to manufacture reactors, and healthcare equipment, among others.

The key players profiled in the report are as follows:

1. Solvay
2. Koninklijke Ten Cate bv
3. Huntsman Corporation, LLC
4. Toray Industries, Inc.
5. Teijin Limited
6. Owens Corning
7. Hexcel Corporation
8. SGL Group

- 9. Weyerhaeuser
- 10. Chongqing Polycomp International Corporation
- 11. Jushi Group

## Research Coverage

This report covers the global advanced composites market and forecasts the market size till 2022. The report includes market segmentation on the basis of fiber type, resin type, end-use industry, manufacturing process, and region (North America, Europe, Asia Pacific, South America, and Middle East & Africa). The Porter's Five Force analysis, along with drivers, restraints, challenges, and opportunities of the market have been discussed in the report. The report also provides company profiles and competitive benchmarking adopted by the major players of the global advanced composites market.

## REASONS TO BUY THE REPORT

The report is expected to help market leaders/new entrants in the advanced composites market in the following ways:

1. This report segments the advanced composites market comprehensively and provides the closest approximations of the revenue numbers for the overall market and its subsegments across different verticals and regions.
2. The report is expected to help the stakeholders understand the pulse of the market and provides them information on the key market drivers, restraints, challenges, and opportunities.
3. This report is expected to help stakeholders understand competitors and gain insights to enhance their positions in the advanced composites market. The competitive landscape section includes the ecosystems of competitors, investments & expansions, new product launches, and agreements.

## Contents

### 1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
  - 1.3.1 YEARS CONSIDERED IN THE REPORT
- 1.4 CURRENCY
- 1.5 UNIT CONSIDERED
- 1.6 LIMITATIONS
- 1.7 STAKEHOLDERS

### 2 RESEARCH METHODOLOGY

- 2.1 RESEARCH METHODOLOGY
  - 2.1.1 SECONDARY DATA
    - 2.1.1.1 Key data from secondary sources
  - 2.1.2 PRIMARY DATA
    - 2.1.2.1 Key data from primary sources
    - 2.1.2.2 Key industry insights
    - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
  - 2.2.1 BOTTOM-UP APPROACH
  - 2.2.2 TOP-DOWN APPROACH
- 2.3 DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

### 3 EXECUTIVE SUMMARY

### 4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE ADVANCED COMPOSITES MARKET
- 4.2 ADVANCED COMPOSITES MARKET, BY MANUFACTURING PROCESS
- 4.3 ADVANCED COMPOSITES MARKET, BY KEY END-USE INDUSTRY AND REGION
- 4.4 ADVANCED COMPOSITES MARKET SIZE, BY END-USE INDUSTRY, 2017 VS. 2022
- 4.5 ADVANCED COMPOSITES MARKET GROWTH, BY COUNTRY

## **5 MARKET OVERVIEW**

### 5.1 INTRODUCTION

### 5.2 EVOLUTION

### 5.3 MARKET DYNAMICS

#### 5.3.1 DRIVERS

5.3.1.1 Increasing demand of carbon fiber and S-glass fiber composites in aerospace & defense industry

5.3.1.2 Increase in demand for fuel-efficient vehicles

5.3.1.3 Focus on production of electricity from renewable sources

#### 5.3.2 RESTRAINTS

5.3.2.1 High cost of advanced composites

#### 5.3.3 OPPORTUNITIES

5.3.3.1 Penetration of carbon fiber composites in new end-use industries such as civil engineering, medical, and pipes & tanks

5.3.3.2 Growing demand from emerging markets

5.3.3.3 Reduction of carbon fibers cost

#### 5.3.4 CHALLENGES

5.3.4.1 Producing low-cost advanced composites

5.3.4.2 Recycling advanced composites

### 5.4 PORTER'S FIVE FORCES ANALYSIS

5.4.1 THREAT OF NEW ENTRANTS

5.4.2 THREAT OF SUBSTITUTES

5.4.3 BARGAINING POWER OF SUPPLIERS

5.4.4 BARGAINING POWER OF BUYERS

5.4.5 INTENSITY OF COMPETITIVE RIVALRY

## **6 MACRO ECONOMIC OVERVIEW AND KEY TRENDS**

### 6.1 INTRODUCTION

### 6.2 TRENDS AND FORECAST OF GDP

### 6.3 PER CAPITA GDP VS. PER CAPITA COMPOSITE MATERIALS DEMAND

### 6.4 TRENDS IN WIND ENERGY INDUSTRY

### 6.5 TRENDS IN AEROSPACE INDUSTRY

### 6.6 TRENDS OF AUTOMOTIVE INDUSTRY

## **7 ADVANCED COMPOSITES MARKET, BY FIBER TYPE**

- 7.1 INTRODUCTION
- 7.2 CARBON FIBER COMPOSITES
- 7.3 ARAMID FIBER COMPOSITES
- 7.4 S-GLASS COMPOSITES
- 7.5 OTHER COMPOSITES

## **8 ADVANCED COMPOSITE MARKET, BY RESIN TYPE**

- 8.1 INTRODUCTION
- 8.2 ADVANCED THERMOSETTING COMPOSITES
  - 8.2.1 POLYESTER RESIN
  - 8.2.2 VINYL ESTER RESIN
  - 8.2.3 EPOXY RESIN
  - 8.2.4 POLYURETHANE RESIN
  - 8.2.5 PHENOLIC
  - 8.2.6 OTHERS
- 8.3 ADVANCED THERMOPLASTIC COMPOSITES
  - 8.3.1 POLYPHENYLENE SULFIDE (PPS)
  - 8.3.2 POLYETHERIMIDE (PEI)
  - 8.3.3 POLYETHERETHERKETONE (PEEK)
  - 8.3.4 OTHERS

## **9 ADVANCED COMPOSITES MARKET, BY MANUFACTURING PROCESS**

- 9.1 INTRODUCTION
- 9.2 AFP/ATL
- 9.3 COMPRESSION MOLDING PROCESS
- 9.4 HAND LAYUP/SPRAY LAYUP PROCESS
- 9.5 RESIN TRANSFER MOLDING PROCESS
- 9.6 FILAMENT WINDING PROCESS
- 9.7 INJECTION MOLDING PROCESS
- 9.8 PULTRUSION PROCESS
- 9.9 OTHERS

## **10 ADVANCED COMPOSITES MARKET, BY END-USE INDUSTRY**

- 10.1 INTRODUCTION
- 10.2 AEROSPACE & DEFENSE
- 10.3 WIND ENERGY

- 10.4 TRANSPORTATION
- 10.5 SPORTING GOODS
- 10.6 PIPES & TANKS
- 10.7 MARINE
- 10.8 CIVIL ENGINEERING
- 10.9 ELECTRICAL & ELECTRONICS
- 10.10 MEDICAL
- 10.11 OTHERS

## **11 ADVANCED COMPOSITES MARKET, BY REGION**

- 11.1 INTRODUCTION
- 11.2 NORTH AMERICA
  - 11.2.1 U.S.
  - 11.2.2 CANADA
  - 11.2.3 MEXICO
- 11.3 EUROPE
  - 11.3.1 GERMANY
  - 11.3.2 FRANCE
  - 11.3.3 U.K.
  - 11.3.4 ITALY
  - 11.3.5 AUSTRIA
  - 11.3.6 NETHERLANDS
  - 11.3.7 POLAND
  - 11.3.8 SWEDEN
  - 11.3.9 SPAIN
  - 11.3.10 RUSSIA
  - 11.3.11 TURKEY
- 11.4 ASIA-PACIFIC
  - 11.4.1 CHINA
  - 11.4.2 JAPAN
  - 11.4.3 INDIA
  - 11.4.4 SOUTH KOREA
  - 11.4.5 AUSTRALIA & NEW ZEALAND
  - 11.4.6 MALAYSIA
  - 11.4.7 SINGAPORE
- 11.5 MIDDLE EAST & AFRICA
  - 11.5.1 UAE
  - 11.5.2 ISRAEL

- 11.5.3 SOUTH AFRICA
- 11.6 SOUTH AMERICA
  - 11.6.1 BRAZIL
  - 11.6.2 ARGENTINA

## **12 COMPETITIVE LANDSCAPE**

- 12.1 MARKET SHARE ANALYSIS
  - 12.1.1 TORAY INDUSTRIES, INC.
  - 12.1.2 TEIJIN LIMITED
  - 12.1.3 MITSUBISHI CHEMICAL HOLDINGS CORPORATION

## **13 COMPANY PROFILES**

(Business Overview, Products Offered, Scorecard of Product Offering, Scorecard of Business Strategy, and New Product Launch)

- 13.1 TORAY INDUSTRIES, INC.
- 13.2 RECENT DEVELOPMENTS
- 13.3 TEIJIN LIMITED
- 13.4 MITSUBISHI CHEMICAL HOLDINGS CORPORATION
- 13.5 SGL GROUP
- 13.6 KONINKLIJKE TEN CATE BV.
- 13.7 HUNTSMAN INTERNATIONAL, LLC.
- 13.8 SOLVAY
- 13.9 HEXCEL CORPORATION
- 13.10 HEXION
- 13.11 E. I. DU PONT NEMOURS & CO.
- 13.12 OWENS CORNING
- 13.13 OTHER PLAYERS
  - 13.13.1 BASF SE
  - 13.13.2 GURIT
  - 13.13.3 AGY
  - 13.13.4 DOWAKSA
  - 13.13.5 HONEYWELL INTERNATIONAL INC.
  - 13.13.6 ADVANCED COMPOSITES INC.
  - 13.13.7 RENEGADE MATERIALS CORPORATION
  - 13.13.8 KINECO-KAMAN
  - 13.13.9 HENKEL AG & CO. KGAA
  - 13.13.10 GAFFCO BALLISTICS



- 13.13.11 NIPPON GRAPHITE FIBER CO., LTD.
- 13.13.12 PLASAN CARBON COMPOSITES, INC.
- 13.13.13 QUANTUM COMPOSITES
- 13.13.14 HYOSUNG

\*Details might not be captured in case of unlisted companies

## **14 APPENDIX**

- 14.1 INSIGHTS FROM INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 14.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 14.5 AVAILABLE CUSTOMIZATIONS
- 14.6 RELATED REPORTS
- 14.7 AUTHOR DETAILS

## List Of Tables

### LIST OF TABLES

Table 1 EU: NEW PASSENGER VEHICLES CO2 EMISSIONS BY MANUFACTURER AND CORRESPONDING 2015 AND 2020 TARGETS (G/KM)

Table 2 PRODUCTION COST STRUCTURE WITH CURRENT TECHNOLOGY, 2016

Table 3 TRENDS AND FORECAST OF GDP, 2017–2022 (USD BILLION)

Table 4 PER CAPITA GDP VS. PER CAPITA COMPOSITE MATERIALS DEMAND, 2016

Table 5 WIND ENERGY INSTALLATION, MW (2015–2016)

Table 6 MARKET FOR NEW AIRPLANES, 2016

Table 7 AUTOMOTIVE PRODUCTION, MILLION UNITS (2011–2016)

Table 8 APPLICATIONS OF ADVANCE FIBER COMPOSITES IN AEROSPACE & DEFENSE END-USE INDUSTRY

Table 9 ADVANCED COMPOSITES MARKET SIZE, BY FIBER TYPE, 2017–2022 (USD MILLION)

Table 10 ADVANCED COMPOSITES MARKET SIZE, BY FIBER TYPE, 2015–2022 (KILOTON)

Table 11 CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 12 CARBON FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 13 ARAMID FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 14 ARAMID FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 15 S-GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 16 S-GLASS FIBER COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 17 OTHER ADVANCED COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 18 OTHER ADVANCED COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 19 PROPERTIES OF RESINS: THERMOSETTING VS. THERMOPLASTIC RESINS

Table 20 ADVANCED COMPOSITES MARKET SIZE, BY RESIN TYPE, 2015–2022 (USD MILLION)

Table 21 ADVANCED COMPOSITES MARKET SIZE, BY RESIN TYPE, 2015–2022 (KILOTON)

Table 22 ADVANCED THERMOSETTING COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 23 ADVANCED THERMOSETTING COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 24 ADVANCED THERMOPLASTIC COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 25 ADVANCED THERMOPLASTIC COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 26 ADVANCED COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2015–2022 (USD MILLION)

Table 27 ADVANCED COMPOSITES MARKET SIZE, BY MANUFACTURING PROCESS, 2015–2022 (KILOTON)

Table 28 AFP/ATL PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 29 AFP/ATL PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 30 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 31 COMPRESSION MOLDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 32 HAND LAYUP/SPRAY LAYUP PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 33 HAND LAYUP/SPRAY LAYUP PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 34 RTM/VARTM PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 35 RTM/VARTM PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 36 FILAMENT WINDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 37 FILAMENT WINDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 38 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 39 INJECTION MOLDING PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 40 PULTRUSION PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 41 PULTRUSION PROCESS MARKET SIZE, BY REGION, 2015–2022  
(KILOTON)

Table 42 OTHER PROCESS MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 43 OTHER PROCESS MARKET SIZE, BY REGION, 2015–2022 (KILOTON)

Table 44 ADVANCED COMPOSITES MARKET SIZE, BY END-USE INDUSTRY,  
2015–2022 (USD MILLION)

Table 45 ADVANCED COMPOSITES MARKET SIZE, BY END-USE INDUSTRY,  
2015–2022 (KILOTON)

Table 46 DEMAND FOR NEW AIRPLANES, BY REGION, 2016–2035

Table 47 ADVANCED COMPOSITES MARKET SIZE IN AEROSPACE & DEFENSE  
END-USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 48 ADVANCED COMPOSITES MARKET SIZE IN AEROSPACE & DEFENSE  
END-USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 49 EUROPE: ANNUAL WIND ENERGY INSTALLATIONS, 2016 (MW)

Table 50 ASIA-PACIFIC: ANNUAL WIND ENERGY INSTALLATIONS, 2016 (MW)

Table 51 ADVANCED COMPOSITES MARKET SIZE IN WIND ENERGY END-USE  
INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 52 ADVANCED COMPOSITES MARKET SIZE IN WIND ENERGY END-USE  
INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 53 ADVANCED COMPOSITES MARKET SIZE IN TRANSPORTATION END-  
USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 54 ADVANCED COMPOSITES MARKET SIZE IN TRANSPORTATION END-  
USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 55 ADVANCED COMPOSITES MARKET SIZE IN SPORTING GOODS END-  
USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 56 ADVANCED COMPOSITES MARKET SIZE IN SPORTING GOODS END-  
USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 57 ADVANCED COMPOSITES MARKET SIZE IN PIPES & TANKS END-USE  
INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 58 ADVANCED COMPOSITES MARKET SIZE IN PIPES & TANKS END-USE  
INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 59 ADVANCED COMPOSITES MARKET SIZE IN MARINE END-USE  
INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 60 ADVANCED COMPOSITES MARKET SIZE IN MARINE END-USE  
INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 61 ADVANCED COMPOSITES MARKET SIZE IN CIVIL ENGINEERING END-  
USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 62 ADVANCED COMPOSITES MARKET SIZE IN CIVIL ENGINEERING END-  
USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 63 ADVANCED COMPOSITES MARKET SIZE IN ELECTRICAL & ELECTRONICS END-USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 64 ADVANCED COMPOSITES MARKET SIZE IN ELECTRICAL & ELECTRONICS END-USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 65 COMPOSITES MARKET SIZE IN MEDICAL END-USE INDUSTRY, BY REGION, 2015–2022 (USD MILLION)

Table 66 COMPOSITES MARKET SIZE IN MEDICAL END-USE INDUSTRY, BY REGION, 2015–2022 (KILOTON)

Table 67 ADVANCED COMPOSITES MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2015–2022 (USD MILLION)

Table 68 ADVANCED COMPOSITES MARKET SIZE IN OTHER END-USE INDUSTRIES, BY REGION, 2015–2022 (KILOTON)

Table 69 ADVANCED COMPOSITES MARKET SIZE, BY REGION, 2015–2022 (USD MILLION)

Table 70 ADVANCED COMPOSITES MARKET SIZE, BY REGION, 2015–2021 (KILOTON)

Table 71 NORTH AMERICA: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

Table 72 NORTH AMERICA: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2014–2021 (KILOTON)

Table 73 U.S.: NEW WIND ENERGY INSTALLATIONS, 2010–2016, (MW)

Table 74 EUROPE: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

Table 75 EUROPE: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2014–2021 (KILOTON)

Table 76 GERMANY: NEW WIND ENERGY INSTALLATIONS, 2010–2016 (MW)

Table 77 ASIA-PACIFIC: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

Table 78 ASIA-PACIFIC: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (KILOTON)

Table 79 CHINA: NEW WIND ENERGY INSTALLATIONS, 2010–2016 (MW)

Table 80 INDIA: NEW WIND ENERGY INSTALLATIONS, 2010–2016 (MW)

Table 81 MEA: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

Table 82 MEA: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (KILOTON)

Table 83 SOUTH AMERICA: ADVANCED COMPOSITES MARKET SIZE, BY COUNTRY, 2015–2022 (USD MILLION)

Table 84 SOUTH AMERICA: ADVANCED COMPOSITES MARKET SIZE, BY

COUNTRY, 2015–2022 (KILOTON)

Table 85 BRAZIL: NEW WIND ENERGY INSTALLATIONS, 2010–2016 (MW)

## List Of Figures

### LIST OF FIGURES

Figure 1 ADVANCED COMPOSITES MARKET: RESEARCH DESIGN

Figure 2 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 3 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 4 ADVANCED COMPOSITES MARKET: DATA TRIANGULATION

Figure 5 CARBON FIBER SEGMENT DOMINATES OVERALL ADVANCED COMPOSITES MARKET

Figure 6 AEROSPACE & DEFENSE END-USE INDUSTRY SET TO DRIVE ADVANCED COMPOSITES MARKET, 2017–2022

Figure 7 AFP/ATL PROCESS TO REGISTER HIGHEST CAGR IN ADVANCED COMPOSITES MARKET BETWEEN 2017 AND 2022

Figure 8 EUROPE IS PROJECTED TO REGISTER HIGHEST CAGR BETWEEN 2017 AND 2022

Figure 9 EMERGING ECONOMIES OFFER LUCRATIVE OPPORTUNITIES IN THE MARKET

Figure 10 AFP/ATL MANUFACTURING PROCESSES SET TO DRIVE ADVANCED COMPOSITES MARKET, 2017–2022

Figure 11 NORTH AMERICA DOMINATES GLOBAL ADVANCED COMPOSITES MARKET

Figure 12 AEROSPACE & DEFENSE TO DOMINATE ADVANCED COMPOSITES MARKET

Figure 13 FRANCE TO BE FASTEST GROWING MARKET, 2017–2022

Figure 14 FAST DEVELOPMENT OF ADVANCED COMPOSITES FOR INDUSTRY APPLICATIONS

Figure 15 DRIVERS, RESTRAINTS, OPPORTUNITIES & CHALLENGES IN THE ADVANCED COMPOSITES MARKET

Figure 16 ADVANCED COMPOSITES MARKET: PORTER'S FIVE FORCES ANALYSIS

Figure 17 TRENDS AND FORECAST OF GDP, 2017–2022 (USD BILLION)

Figure 18 PER CAPITA GDP VS. PER CAPITA ADVANCED COMPOSITE MATERIALS DEMAND

Figure 19 WIND ENERGY INSTALLED CAPACITY, MW (2014–2015)

Figure 20 TRENDS OF NEW AIRPLANE DELIVERIES, BY REGION, 2016

Figure 21 AUTOMOTIVE PRODUCTION IN KEY COUNTRIES, MILLION UNITS (2015 VS. 2016)

Figure 22 CARBON FIBER COMPOSITES TO LEAD THE ADVANCED COMPOSITES



MARKET, 2017 VS.2022

Figure 23 NORTH AMERICA TO DOMINATE THE CARBON FIBER COMPOSITES MARKET

Figure 24 NORTH AMERICA TO DOMINATE S-GLASS FIBER COMPOSITES MARKET DURING THE FORECAST PERIOD

Figure 25 ADVANCED THERMOSETTING COMPOSITE TO DOMINATE THE MARKET, 2017 VS. 2022

Figure 26 NORTH AMERICA TO DOMINATE ADVANCED THERMOPLASTIC COMPOSITES MARKET, 2017 VS. 2022

Figure 27 AFP/ATL MANUFACTURING PROCESS TO DOMINATE ADVANCED COMPOSITES MARKET

Figure 28 AEROSPACE & DEFENSE TO LEAD ADVANCED COMPOSITES MARKET

Figure 29 NORTH AMERICA TO DRIVE ADVANCED COMPOSITES MARKET IN AEROSPACE & DEFENSE END-USE INDUSTRY

Figure 30 NORTH AMERICA TO DOMINATE ADVANCED COMPOSITES MARKET IN TRANSPORTATION END-USE INDUSTRY

Figure 31 NORTH AMERICA TO DOMINATE ADVANCED COMPOSITES MARKET IN CIVIL ENGINEERING END-USE INDUSTRY

Figure 32 FRANCE TO BE THE FASTEST GROWING IN THE GLOBAL ADVANCED COMPOSITES MARKET

Figure 33 NORTH AMERICA MARKET SNAPSHOT: U.S. - MOST LUCRATIVE MARKET IN NORTH AMERICA

Figure 34 FRANCE: FASTEST-GROWING ADVANCED COMPOSITES MARKET IN EUROPE

Figure 35 CHINA DOMINATES ADVANCED COMPOSITES MARKET IN ASIA-PACIFIC

Figure 36 AEROSPACE & DEFENSE TO BE THE FASTEST-GROWING APPLICATION FOR ADVANCED COMPOSITES MARKET IN SOUTH AMERICA (2017–2022)

Figure 37 MARKET SHARE OF KEY PLAYERS, 2016

Figure 38 TORAY INDUSTRIES, INC.: COMPANY SNAPSHOT

Figure 39 TEIJIN LIMITED: COMPANY SNAPSHOT

Figure 40 MITSUBISHI CHEMICAL HOLDINGS CORPORATION: COMPANY SNAPSHOT

Figure 41 SGL GROUP: COMPANY SNAPSHOT

Figure 42 KONINKLIJKE TEN CATE BV.: COMPANY SNAPSHOT

Figure 43 HUNTSMAN INTERNATIONAL, LLC.: COMPANY SNAPSHOT

Figure 44 SOLVAY: COMPANY SNAPSHOT

Figure 45 HEXCEL CORPORATION: COMPANY SNAPSHOT



Figure 46 HEXION: COMPANY SNAPSHOT

Figure 47 E. I. DU PONT NEMOURS & CO.: COMPANY SNAPSHOT

Figure 48 OWENS CORNING: COMPANY SNAPSHOT

## I would like to order

Product name: Advanced Composites Market by Fiber Type (Carbon, S-Glass, Aramid), Resin Type (Thermosetting, Thermoplastic), Manufacturing Process (Filament Winding, Injection Molding, Pultrusion), End-use Industry, Region - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/A652C16CCDDEN.html>

Price: US\$ 5,650.00 (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/A652C16CCDDEN.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