

Advance Composites Market: Trends, Opportunities and Competitive Analysis

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Abstracts

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Advance Composite Market Trends and Forecast

The future of the advance composite market looks promising with opportunities in the aerospace and defense, wind energy, transportation, marine, construction, consumer goods, and pressure vessels application. The global advance composite market is expected to reach an estimated \$10.8 billion by 2027 with a CAGR of 5.2% from 2021 to 2027. The major drivers of growth for this market are increasing demand of lightweight materials in the aerospace & defense and automotive industry.

Emerging Trends in the Advance Composite Market

Emerging trends, which have a direct impact on the dynamics of the industry, includes R&D projects across supply chain to bring carbon fiber from high end to high volume applications via low-cost carbon fiber, advancements in the production technologies of carbon composites, and recycling of advanced composites

A total of 93 figures / charts and 79 tables are provided in this 205-page report to help in your business decisions. A sample figure with insights is shown below. To learn the scope of benefits, companies researched, and other details of the advance composite market report, please download the report brochure.

Advance Composite Market by Segment

The study includes trends and forecast for the global advance composite market by application, fiber type, resin type, end product, and region as follows:

By Application [Value (\$B) and Volume (M lbs) shipment analysis for 2016 – 2027]:

Aerospace and Defense

Wind Energy

Transportation

Marine

Construction

Consumer Goods

Pressure Vessels

Others

By Fiber Type [Value (\$B) and Volume (M lbs) shipment analysis for 2016 – 2027]:

Carbon Composites

S-Glass Composites

Aramid Composites

By Resin Type [Value (\$B) and Volume (M lbs) shipment analysis for 2016 – 2027]:

Epoxy Composites

Phenolic Composites

Vinyl Ester Composites

Other Thermoset

Thermoplastic Composites

By Region [Value (\$B) and Volume (M lbs) shipment analysis for 2016 – 2027]:

North America

Europe

Asia Pacific

Rest of the world

List of Advance Composite Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies advance composite companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the advance composite companies profiled in this report includes-

Toray Industries Inc.

Cytec Solvay Group

Owens Corning

AGY Holdings

E.I Du Pont de Nemours

Teijin Aramid

Advance Composite Market Insight

Lucintel forecasts that aerospace and defense will remain the largest application over the forecast period due to the increase penetration of composites in next generation commercial aircraft, like Boeing's B787 and Airbus 380, regional aircraft such as Bombardier's C Series, and general aviation aircraft such as Cirrus and Diamond.

Carbon composite will remain the largest segment over the forecast period due to its beneficial qualities of being lightweight while offering corrosion resistance and high tensile strength.

North America is expected to remain the largest region and witness the highest growth over the forecast period due to the growth in end-use industries and steady adoption of advanced composites in wind energy for wind blades.

Features of Advance Composite Market

Market Size Estimates: Advance composite market size estimation in terms of value (\$B) and Volume (M lbs)

Trend and Forecast Analysis: Market trends (2016-2021) and forecast (2022-2027) by various segments and regions.

Segmentation Analysis: Market size by application, fiber type, resin type and region

Regional Analysis: Advance Composite market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different application, fiber type, resin type and regions for the advance composite market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the advance composite market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the advance composite market size?

Answer: The global advance composite market is expected to reach an estimated \$10.8 billion by 2027

Q2. What is the growth forecast for advance composite market?

Answer: The advance composite market is expected to grow at a CAGR of 5.2% from 2021 to 2027.

Q3. What are the major drivers influencing the growth of the advance composite market?

Answer: The major drivers of growth for this market are increasing demand of lightweight materials in the aerospace & defense and automotive industry..

Q4. What are the major applications or end use industries for advance composite?

Answer: Aerospace and defense, wind energy, transportation, marine, construction, consumer goods, and pressure vessels applications are the major end use industries for advance composite.

Q5. What are the emerging trends in advance composite market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, includes R&D projects across supply chain to bring carbon fiber from high end to high volume applications via low-cost carbon fiber, advancements in the production technologies of carbon composites, and recycling of advanced composites.

Q6. Who are the key advance composite companies?

Answer: Some of the key advance composite companies are as follows:

Toray Industries Inc.

Cytec Solvay Group

Owens Corning

AGY Holdings

E.I Du Pont de Nemours

Teijin Aramid

Q7. Which advance composite product segment will be the largest in future?

Answer: Lucintel forecasts that carbon composites will remain the largest segment due to its beneficial qualities of being lightweight while offering corrosion resistance and high tensile strength.

Q8: In advance composite market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to remain the largest region and witness the highest growth over next 5 years

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Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high growth opportunities for the global advance composite market by application (aerospace and defense, wind energy, automotive, marine, construction, consumer goods, pressure vessels, and others), fiber type (carbon composites, s-glass composites and aramid composites), resin type (epoxy composites, phenolic composites, vinyl ester composites, other thermoset, thermoplastic composites), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

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

Q.7 What are the changing demands of customers in the 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 market? What strategic initiatives are being implemented by key players for business growth?

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

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to advance composite market or related to advance composite market share, advance composite market analysis, and advance composite market size, write to Lucintel analysts at helpdesk@lucintel.com. We will be glad to get back to you soon.

Contents

Table of Contents

1. EXECUTIVE SUMMARY

2. GLOBAL ADVANCE COMPOSITE MARKET DYNAMICS

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2016 TO 2027

3.1: Macroeconomic Trends and Forecasts

3.2: Global Advance Composite Market Trends and Forecast

3.3: Global Advance Composite Market by Application

3.3.1: Aerospace and Defense

3.3.2: Wind Energy

3.3.3: Transportation

3.3.4: Marine

3.3.5: Construction

3.3.6: Consumer Goods

3.3.7: Pressure Vessels

3.3.8: Others

3.4: Global Advance Composite Market by Fiber Type

3.4.1: Carbon Composites

3.4.2: S-glass Composites

3.4.3: Aramid Composites

3.5: Global Advance Composite Market by Resin Type

3.5.1: Epoxy Composites

3.5.2: Phenolic Composites

3.5.3: Vinlyester Composites

3.5.4: Other Thermoset

3.5.5: Thermoplastic Composites

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION

4.1: Global Advance Composite Market by Region

4.2: North American Advance Composite Market

4.2.1: Market by Application: Aerospace and Defense, Wind Energy, Automotive, Marine, Construction, Electrical and Electronics, Consumer Goods, Pressure Vessels, and Others

4.3: European Advance Composite Market

4.3.1: Market by Application: Aerospace and Defense, Wind Energy, Automotive, Marine, Construction, Electrical and Electronics, Consumer Goods, Pressure Vessels, and Others

4.4: APAC Advance Composite Market

4.4.1: Market by Application: Aerospace and Defense, Wind Energy, Automotive, Marine, Construction, Electrical and Electronics, Consumer Goods, Pressure Vessels, and Others

4.5: ROW Advance Composite Market

4.5.1: Market by Application: Aerospace and Defense, Wind Energy, Automotive, Marine, Construction, Electrical and Electronics, Consumer Goods, Pressure Vessels, and Others

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Geographical Reach

5.4: Porter's Five Forces Analysis

6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

6.1: Growth Opportunity Analysis

6.1.1: Growth Opportunities for the Global Advance Composite Market by Application

6.1.2: Growth Opportunities for the Global Advance Composite Market by Fiber Type

6.1.3: Growth Opportunities for the Global Advance Composite Market by Resin Type

6.1.4: Growth Opportunities for the Global Advance Composite Market by Region

6.2: Emerging Trends in the Global Advance Composite Market

6.3: Strategic Analysis

6.3.1: New Product Development

6.3.2: Capacity Expansion

6.3.3: Mergers and Acquisitions

7. COMPANY PROFILES OF LEADING PLAYERS

- 7.1: Toray Industries Inc.
- 7.2: Cyttec Solvay Group
- 7.3: Owens Corning
- 7.4: AGY Holdings
- 7.5: E.I Du Pont de Nemours
- 7.6: Teijin Aramid

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