

**Aerospace Composite Market By Composite Type (Fiber, Matrix), By Manufacturing Process (ATL or AFP, Filament Winding, Resin Transfer Molding, Hand Layup, Others), By Aircraft (Commercial Aircraft, Business and General Aviation, Civil Helicopter, Others), By Application (Exterior, Interior): Global Opportunity Analysis and Industry Forecast, 2025-2034**

Market Report | 2025-06-01 | 663 pages | Allied Market Research

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**Report description:**

The global aerospace composite market was valued at \$22.2 billion in 2024, and is projected to reach \$64.4 billion by 2034, growing at a CAGR of 11.3% from 2025 to 2034.

Advanced materials that are made combining two or more materials with different physical or chemical properties are termed aerospace composites. They are known to be majorly used in aerospace industry as they play a crucial role in reducing weight and increase fuel and payload capacity. The matrix, in aerospace composites, is known to bind and support reinforcement fibers and provide structural support to the aircraft, satellite, or spacecraft. The materials used in the aerospace composite matrix include metals, ceramics and polymers. The materials used in the aerospace composite reinforcement fibers include aramid fibers, glass fibers and carbon fibers. These materials are known to provide enhanced performance in different aerospace conditions.

Aerospace composites are popularly adopted in different aircrafts, spacecrafts, and satellites owing to their exceptional strength to weight ratio. Carbon fiber-reinforced composites, specially, are popular as they provide high strength and low weight, which makes their usage ideal in structural elements of the aircraft, spacecraft or satellite. Radar-absorbing composite materials help reduce detectability of the military aircraft which helps increase the mission success rate.

Advancements in material science, such as introduction of nanocomposites, wherein nanoparticles are incorporated into a matrix, boost the demand for aerospace composites in the market. Nanocomposites provide thermal stability, electrical conductivity, and enhanced strength that help develop light and robust components for the aerospace sector. This helps increase performance and fuel efficiency, thus fostering the adoption of aerospace composites in the market.

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Innovations in production process of aerospace composites is projected to foster the growth of the aerospace composite market during the forecast period. Innovations such as, 3D printing, that helps create geometric shapes and structures which help control the placement of the fibers and matrix materials during the printing process boost the adoption of such composites in the market. Also, these help create customized composites which can be tailored for different applications. Such innovations create lucrative growth opportunities for aerospace composites in the future.

The aerospace composite market is segmented into fiber type, manufacturing process, aircraft, material type, application, and region. On the basis of fiber type, the market is classified into carbon fiber, glass fiber, aramid fiber, and others. As per manufacturing process, the market is divided into ATL or AFP, filament winding, resin transfer molding, hand layup, and others. On the basis of aircraft, the market is categorized into commercial aircraft, business & general aviation, civil helicopter, and others. Based on material type, the market is categorized into epoxy resins, glycidylamines, curing agents, hardeners, phenolic, thermoplastic, and others. Depending on application, the market is categorized into interior and exterior. Region-wise, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

The major players operating in the aerospace composite market include Evonik Industries AG, Hexcel Corporation, Teijin Limited, DuPont, Mitsubishi Chemical Advanced Materials Inc, Solvay, SGL Carbon, Toray Industries, Inc., Cops Industries Inc, and Sumitomo Bakelite Co., Ltd.

#### Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the securities lending market analysis from 2024 to 2034 to identify the prevailing securities lending market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the securities lending market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global securities lending market trends, key players, market segments, application areas, and market growth strategies.

#### Key Benefits For Stakeholders

This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the aerospace composite market analysis from 2024 to 2034 to identify the prevailing aerospace composite market opportunities.

The market research is offered along with information related to key drivers, restraints, and opportunities.

Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

In-depth analysis of the aerospace composite market segmentation assists to determine the prevailing market opportunities.

Major countries in each region are mapped according to their revenue contribution to the global market.

Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

The report includes the analysis of the regional as well as global aerospace composite market trends, key players, market segments, application areas, and market growth strategies.

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Market share analysis of players by products/segments  
New Product Development/ Product Matrix of Key Players  
Patient/epidemiology data at country, region, global level  
Regulatory Guidelines  
Additional company profiles with specific to client's interest  
Additional country or region analysis- market size and forecast  
Expanded list for Company Profiles  
Historic market data  
Import Export Analysis/Data  
Key player details (including location, contact details, supplier/vendor network etc. in excel format)  
SWOT Analysis  
Volume Market Size and Forecast

Key Market Segments By Composite Type Fiber Fiber Type

Carbon Fiber  
Glass Fiber  
Aramid Fiber  
Others  
Matrix Matrix Type  
Epoxy resins? Epoxy resin Form  
Glycidylamines  
Curing agents/Hardeners  
Phenolic  
Thermoplastic  
Others  
By Manufacturing Process ATL or AFP  
Filament Winding  
Resin Transfer Molding  
Hand Layup  
Others

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Japan  
India  
South Korea  
Australia  
Rest of Asia-Pacific  
LAMEA Brazil  
Saudi Arabia  
South Africa  
Rest of LAMEA  
Key Market Players  
DuPont  
SGL Carbon  
TEIJIN LIMITED  
Evonik Industries AG  
Sumitomo Bakelite Co., Ltd.  
Coppis Industries Inc  
Hexcel Corporation  
TORAY INDUSTRIES, INC.  
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**Table of Contents:**

Please contact us for the full table of contents, as well as for any sample pages and content specific questions.

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