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Global Composite Materials for Low Altitude Aircraft Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

https://marketpublishers.com/r/GA1C540470E8EN.html
Date: November 2025
Pages: 113
Price: US$ 3,480.00 (Single User License)
ID: GA1C540470E8EN

Abstracts

According to our (Global Info Research) latest study, the global Composite Materials for Low Altitude Aircraft market size was valued at US$ 5822 million in 2024 and is forecast to a readjusted size of USD 12540 million by 2031 with a CAGR of 11.7% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

With the rapid growth of low-altitude economy, its influence has deeply penetrated into many fields such as logistics, agriculture, emergency rescue, tourism, etc., and it has also provided a new stage for the application of composite materials. Composite materials are very popular in the manufacturing of low-altitude aircraft due to their advantages such as light weight, high strength, corrosion resistance and plasticity. They can significantly reduce the weight of aircraft, improve fuel efficiency, enhance structural strength, improve design aesthetics and reduce noise. This report focuses on composite materials for low-altitude aircraft. Composite materials for low-altitude aircraft include carbon fiber reinforced resin composite materials, glass fiber reinforced composite materials, etc. These materials are mainly used in aircraft fuselages, wings, rotors, blades, structural components, propulsion systems, internal applications (such as beams, seat structures, etc.) and battery systems.

This report is a detailed and comprehensive analysis for global Composite Materials for Low Altitude Aircraft market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is

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constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Composite Materials for Low Altitude Aircraft market size and forecasts, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2020-2031

Global Composite Materials for Low Altitude Aircraft market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2020-2031

Global Composite Materials for Low Altitude Aircraft market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Kilotons), and average selling prices (US$/Ton), 2020-2031

Global Composite Materials for Low Altitude Aircraft market shares of main players, shipments in revenue ($ Million), sales quantity (Kilotons), and ASP (US$/Ton), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Composite Materials for Low Altitude Aircraft
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Composite Materials for Low Altitude Aircraft market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray, Hexcel, Teijin, Solvay, SGL Group, Mitsubishi Chemical, Carbon (Xiamen) New Material, Kingfa, Owens Corning, Avic Aviation High-Technology, etc.
This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

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Market Segmentation

Composite Materials for Low Altitude Aircraft market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

- Carbon Fiber Composite
- Glass Fiber Composite
- Others

Market segment by Application

- Drones
- Helicopters
- eVTOL
- Other

Major players covered

- Toray
- Hexcel
- Teijin
- Solvay
- SGL Group

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Mitsubishi Chemical

Carbon (Xiamen) New Material

Kingfa

Owens Corning

Avic Aviation High-Technology

Zhongfu Shenying (Shanghai) Technology

Zhongjian Technology Development

Weihai Guangwei Composites

Shandong Shuangyi Technology

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:
Chapter 1, to describe Composite Materials for Low Altitude Aircraft product scope, market overview, market estimation caveats and base year.
Chapter 2, to profile the top manufacturers of Composite Materials for Low Altitude Aircraft, with price, sales quantity, revenue, and global market share of Composite Materials for Low Altitude Aircraft from 2020 to 2025.
Chapter 3, the Composite Materials for Low Altitude Aircraft competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.
Chapter 4, the Composite Materials for Low Altitude Aircraft breakdown data are shown

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at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.
Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.
Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Composite Materials for Low Altitude Aircraft market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.
Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.
Chapter 13, the key raw materials and key suppliers, and industry chain of Composite Materials for Low Altitude Aircraft.
Chapter 14 and 15, to describe Composite Materials for Low Altitude Aircraft sales channel, distributors, customers, research findings and conclusion.

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