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Global Aerospace Composite Materials Utilizing PCR Content Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Aerospace Composite Materials Utilizing PCR Content market size was valued at US$ 222 million in 2025 and is forecast to a readjusted size of US$ 647 million by 2032 with a CAGR of 16.5% during review period.

Aerospace composite materials using PCR content refers to fiber reinforced polymer matrix composites where the reinforcement fiber (carbon, glass, or aramid), polymer matrix (thermoset or thermoplastic), or both, incorporate material streams originating from end-of-life consumer products or decommissioned aircraft components that have completed their intended use cycle and been recovered through mechanical, thermal, or chemical recycling processes. In 2025,global aerospace composite materials utilizing PCR content production reached approximately 3,919 ton, with an average global market price of around USD 55,000 per ton. A factory gross profit of USD 14,850 per ton with 27% gross margin. A single line full machine capacity production is around 50 ton per line per year. The upstream is centered on recycled carbon fiber recovery, recycled engineering thermoplastics, aerospace scrap processing, specialty resin formulation, and high-performance additive supply chains. Downstream demand is concentrated in aerospace OEMs, Tier-1 integrators, aircraft interior manufacturers, UAV producers, and aerospace MRO companies. Recycled PET thermoplastic composites are increasingly used in aircraft sidewall panels and overhead luggage compartment liners to reduce environmental footprint while maintaining flame-retardant compliance. US leads driven by strong Boeing and defense aerospace ecosystem and sustainable aviation initiatives.

This report is a detailed and comprehensive analysis for global Aerospace Composite

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Materials Utilizing PCR Content market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is 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 Aerospace Composite Materials Utilizing PCR Content market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Aerospace Composite Materials Utilizing PCR Content market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Aerospace Composite Materials Utilizing PCR Content market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2021-2032

Global Aerospace Composite Materials Utilizing PCR Content market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2021-2026

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 Aerospace Composite Materials Utilizing PCR Content

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 Aerospace Composite Materials Utilizing

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PCR Content 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 Advanced Composites (Japan), Solvay (Belgium), SGL Carbon (Germany), BASF (Germany), Safran (France), Arkema (France), Teijin (Japan), Mitsubishi Chemical (Japan), Hexcel (US), Daher (France), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Aerospace Composite Materials Utilizing PCR Content market is split by Type and by Application. For the period 2021-2032, 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

Recycled Carbon Fiber (rCF)

Recycled Glass Fiber (rGF)

Mixed Recycled Fiber

Natural Fiber (Bio-based PCR)

Others

Market segment by Matrix Type

Thermoplastic PCR Composites

Thermoset PCR Composites

Bio Based Polymer Matrix

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Hybrid Matrix Systems

Others

Market segment by PCR Content Level

Standard PCR (20-49% by weight)

High PCR (50-79% by weight)

Ultra High PCR (80-95% by weight)

Maximum PCR (95-100% by weight with additives)

Others

Market segment by Application

Commercial Aviation

Military Aviation

Business and General Aviation

Rotorcraft

Others

Major players covered

Toray Advanced Composites (Japan)

Solvay (Belgium)

SGL Carbon (Germany)

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BASF (Germany)

Safran (France)

Arkema (France)

Teijin (Japan)

Mitsubishi Chemical (Japan)

Hexcel (US)

Daher (France)

Airbus (multinational)

Boeing (US)

James Cropper (UK)

RTP Company (US)

TARMAC Aerosave (France)

CNIM (France)

Exel Composites (Finland)

Vartega (US)

Carbon Fiber Recycling (US)

Gen 2 Carbon (UK)

Fairmat (France)

Mocom (Germany)

Shanghai PRET Composites (China)

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Kingfa Science & Technology (China)

Weihai Guangwei Composites (China)

Sinofibers Technology (China)

Hyosung Advanced Materials (South Korea)

Avic Composite Corporation (China)

Strata Manufacturing (UAE)

Plasan (Israel)

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 Aerospace Composite Materials Utilizing PCR Content product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Aerospace Composite Materials Utilizing PCR Content, with price, sales quantity, revenue, and global market share of Aerospace Composite Materials Utilizing PCR Content from 2021 to 2026.

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Chapter 3, the Aerospace Composite Materials Utilizing PCR Content competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Aerospace Composite Materials Utilizing PCR Content breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026.and Aerospace Composite Materials Utilizing PCR Content market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Aerospace Composite Materials Utilizing PCR Content.

Chapter 14 and 15, to describe Aerospace Composite Materials Utilizing PCR Content sales channel, distributors, customers, research findings and conclusion.

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