

Global Aerospace Thermoplastics Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Aerospace Thermoplastics market size is expected to reach \$ 16674 million by 2032, rising at a market growth of 4.4% CAGR during the forecast period (2026-2032).

Aerospace thermoplastics refer to a class of engineering plastics that can be softened by heating, hardened by cooling, and repeatedly processed and molded. They possess high strength, lightweight properties, high temperature resistance, and corrosion resistance. Examples include PEEK, PEI, PPS, and PC, which are often reinforced with carbon fiber or glass fiber. These materials are used in the manufacture of aircraft structures, interiors, and engine components, replacing traditional metals to achieve weight reduction and improved performance. They are crucial materials for the aerospace industry's pursuit of lightweight, efficient, and sustainable development.

The upstream segment involves the supply of basic and core raw materials, primarily including manufacturers of high-performance resins (such as PEEK, PEI, and PPS) and reinforcing fibers (such as carbon fiber and glass fiber). These materials determine the final performance of the composite materials. In 2025, global sales are projected to be approximately 2.34 million tons, with an average market price of approximately US\$5149 per ton. The industry's gross profit margin is in the range of 15%-35%.

Aerospace thermoplastics are key materials driving the lightweighting and performance upgrades of next-generation aircraft, and are increasingly being used in primary load-bearing structures in addition to interior components. Strong demand from the downstream aerospace manufacturing industry, including the mass production of next-generation single-aisle aircraft, upgrades to wide-body aircraft, and the long-term growth of the commercial aviation market, is directly driving the demand for high-performance, lightweight materials.

Secondly, the continuous progress in materials technology itself constitutes an

endogenous driving force. For example, the emergence of new grades of resins with higher toughness and better processability, along with the maturation of automated and digital manufacturing processes, have jointly driven down the cost of thermoplastic composites and expanded their range of applications.

This report studies the global Aerospace Thermoplastics production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Aerospace Thermoplastics and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Aerospace Thermoplastics that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Aerospace Thermoplastics total production and demand, 2021-2032, (Kilotons)

Global Aerospace Thermoplastics total production value, 2021-2032, (USD Million)

Global Aerospace Thermoplastics production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Aerospace Thermoplastics consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Aerospace Thermoplastics domestic production, consumption, key domestic manufacturers and share

Global Aerospace Thermoplastics production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Aerospace Thermoplastics production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Aerospace Thermoplastics production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Aerospace Thermoplastics market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Victrex, Syensqo, Arkema, Evonik, SABIC, BASF, Celanese, Toray, DIC, Mitsubishi Chemical, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Aerospace Thermoplastics market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Aerospace Thermoplastics Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Aerospace Thermoplastics Market, Segmentation by Type:

PEEK

PEI

PPS

PES

Other

Global Aerospace Thermoplastics Market, Segmentation by Enhancement Methods:

Carbon Fiber Reinforced

Glass Fiber Reinforced

Other

Global Aerospace Thermoplastics Market, Segmentation by Grade:

General Purpose Type

High Temperature Resistant Type

Global Aerospace Thermoplastics Market, Segmentation by Application:

Structural Components

Interior Parts

Engine Components

Other

Companies Profiled:

Victrex

Syensqo

Arkema

Evonik

SABIC

BASF

Celanese

Toray

DIC

Mitsubishi Chemical

RTP Company

Avient

Nan Ya Plastics

Daicel

Ensinger Plastics

ZYPEEK

JUSEP

Zhejiang NHU

Kingfa

Jiangsu JunHua

Key Questions Answered:

1. How big is the global Aerospace Thermoplastics market?
2. What is the demand of the global Aerospace Thermoplastics market?
3. What is the year over year growth of the global Aerospace Thermoplastics market?
4. What is the production and production value of the global Aerospace Thermoplastics market?
5. Who are the key producers in the global Aerospace Thermoplastics market?
6. What are the growth factors driving the market demand?

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