

Aerospace & Defense Thermoplastic Composites Market by Aircraft Type (Commercial Aircraft, General Aviation, Military Aircraft, and Others), by Resin Type (PPS, PEEK, PEI, and Others), by Application Type (Interior, Airframe, and Others), by Fiber Type (Carbon Fiber and Glass Fiber), by Process Type (Compression Molding, Injection Molding, AFP/ATL, and Others), and by Region (North America, Europe, Asia-Pacific, and Rest of the World), Trend, Forecast, Competitive Analysis, and Growth Opportunity: 2018-2023

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Abstracts

This is the ONGOING report. If ordered it could be delivered in 2-3 weeks timeframe.

This report, from Stratview Research, studies the global aerospace & defense (A&D) thermoplastic composites market over the trend period 2012 to 2017 and the forecast period of 2018 to 2023. The report provides detailed insights into the market dynamics to enable informed business decision making and growth strategy formulation based on the opportunities present in the market.

The Global A&D Thermoplastic Composites Market: Highlights

The global A&D thermoplastic composites market is likely to offer significant opportunities over the next five years to reach an estimated value of US\$ 636 million in 2023. Increasing commercial and regional aircraft deliveries, increasing demand for

advanced composites in the structural applications of aircraft, increasing production rates of composites rich aircraft (B787 and A350XWB), increasing demand for thermoplastic composites to fabricate structural and interior parts, and superior benefits of thermoplastic composites including recyclability and reduction in parts count are the key factors that are proliferating the demand for thermoplastic composites in the aerospace & defense industry.

The global A&D thermoplastic composites market is segmented based on the aircraft type as Commercial Aircraft, General Aviation, Military Aircraft, and Others. Commercial aircraft is projected to remain the most dominant aircraft type in the global A&D thermoplastic composites market during the forecast period. Increasing production of commercial aircraft coupled with increasing penetration of thermoplastic composites, especially in commercial aircraft, is likely to fuel the growth of the segment in the coming years.

Based on the resin type, PPS resin dominates the A&D thermoplastic composites market and is expected to remain the largest segment during the forecast period. PPS resins have good dimensional stability even at elevated temperatures and in harsh chemical environment. They also have the advantage of molding complex parts easily with a tight tolerance. The resins have successfully found usage in various aircraft applications, especially on airframe applications.

Based on the fiber type, carbon fiber is projected to remain the largest fiber type in the global A&D thermoplastic composites market during the forecast period. Extremely low weight, coupled with high tensile and compression strength is the key growth driver of carbon fiber in the A&D thermoplastic composites market. On the other hand, glass fiber is likely to remain the second choice in the forecast period, due to its relatively low performance than carbon fiber.

Based on the region, Europe is expected to remain the largest A&D thermoplastic composites market during the forecast period. Airbus is the major consumer of thermoplastic composites. Major tier players have set up manufacturing plants with high proximity to the airbus' assembly plants to fulfill their emerging requirements for its next-generation aircraft program. North America also holds reasonable share in the A&D thermoplastic composites market. Boeing and Gulfstream Aerospace are the key OEMs, which are creating a healthy demand for thermoplastic composite parts in the region.

The supply chain of this market comprises raw material suppliers, thermoplastic

composite suppliers, tier players, and aircraft OEMs, and airline companies. The key thermoplastic composite suppliers include companies, such as Royale TenCate, Solvay S.A., and RTP Company. Some of the major thermoplastic component manufacturers in the market include AVANCO Group (Xperion Performance Polymer Composites), Daher-Socata, Dutch Thermoplastic Components B.V., GKN Aerospace (Fokker Aerostructures), and Premium AEROTEC GmbH. The major aircraft OEMs are Airbus, Boeing, Gulfstream Aerospace, and Dassault Aviation.

Research Methodology

This report offers high-quality insights and is the outcome of detailed research methodology comprising extensive secondary research, rigorous primary interviews with industry stakeholders and validation and triangulation with Stratview Research's internal database and statistical tools. More than 700 authenticated secondary sources, such as company annual reports, fact book, press release, journals, investor presentation, white papers, patents, and articles have been leveraged to gather the data. About 10 detailed primary interviews with the market players across the value chain in all four regions and with industry experts have been conducted to obtain both qualitative and quantitative insights.

Report Features

This report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights into the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market. The following are the key features of the report:

- Market structure: Overview, industry life cycle analysis, supply chain analysis

- Market environment analysis: Growth drivers and constraints, Porter's five forces analysis, SWOT analysis

- Market trend and forecast analysis

- Market segment trend and forecast

- Competitive landscape and dynamics: Market share, Product portfolio, New product launches, etc.

Attractive market segments and associated growth opportunities

Emerging trends

Strategic growth opportunities for the existing and new players

Key success factors

Global A&D Thermoplastic Composites Market is segmented into the following categories.

Global A&D Thermoplastic Composites Market by Aircraft Type:

Commercial Aircraft (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

General Aviation (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Military Aircraft (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Others (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Global A&D Thermoplastic Composites Market by Resin Type:

PPS (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

PEEK (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

PEI (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Others (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Global A&D Thermoplastic Composites Market by Application Type:

Interior (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Airframe (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Others (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Global A&D Thermoplastic Composites Market by Fiber Type:

Carbon Fiber (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Glass Fiber (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Global A&D Thermoplastic Composites Market by Process Type:

Compression Molding (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Injection Molding (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

AFP/ATL (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Other (Regional Analysis: NA, Europe, Asia-Pacific, and RoW)

Global A&D Thermoplastic Composites Market by Region

North America (Country Analysis: the USA, Canada, and Mexico)

Europe (Country Analysis: Germany, France, the UK, and Rest of Europe)

Asia-Pacific (Country Analysis: China, India, Japan and Rest of Asia-Pacific)

Rest of the World (Country Analysis: the Middle East, Latin America, and Others)

Report Customization Options

With this detailed report, Stratview Research offers one of the following free customization options to our respectable clients.

Company Profiling

Detailed profiling of additional market players (up to 3 players)

SWOT analysis of key players (up to 3 players)

Market Segmentation

Current market segmentation of any one of the applications by resin type

Competitive Benchmarking

Benchmarking of key players on the following parameters: Product portfolio, geographical reach, regional presence, and strategic alliances

Custom Research: Stratview research offers custom research services across sectors. In case of any custom research requirement related to market assessment, competitive benchmarking, sourcing and procurement, target screening, and others, please send your enquiry at sales@stratviewresearch.com.

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11.7 Premium AEROTEC GmbH

11.8 Triumph Group

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