

# **Global Short Fiber Thermoplastic Market Size Study, By Resin Type (Polypropylene, Polyamide, PEEK, PBT, and Other Resin Types), By Application (Automotive & Transportation, Consumer Goods, Aerospace & Defense, Other Applications), By Reinforcement Type (Glass Fiber, Carbon Fiber), and Regional Forecasts 2022–2032**

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## **Abstracts**

The global Short Fiber Thermoplastic (SFT) market, valued at approximately USD XX billion in 2023, is projected to grow at a CAGR of 6% during the forecast period from 2024 to 2032. Short fiber thermoplastics, which combine thermoplastic polymers with short fibers like glass or carbon, are gaining widespread recognition for their unique blend of strength, flexibility, and lightweight properties. These materials are ideal for applications requiring durability, weight reduction, and performance under extreme conditions, such as automotive, aerospace, consumer goods, and electronics industries.

One of the primary market drivers is the automotive sector's focus on lightweight materials to enhance fuel efficiency and lower emissions. Short fiber thermoplastics are increasingly being used in vehicle components like interior panels, engine covers, and structural parts, contributing to significant weight reduction and compliance with environmental regulations. In addition, the aerospace industry has embraced SFT for manufacturing lightweight yet resilient components that withstand high stress and extreme temperatures, further fueling market growth.

The consumer goods and electronics industries are also leveraging the versatility of short fiber thermoplastics, using them to design durable and aesthetically flexible products such as smartphones, laptops, and household appliances. The adoption of

SFT in these sectors underscores its growing importance in addressing the demands of modern manufacturing.

The Asia-Pacific region dominates the global SFT market, primarily driven by advancements in semiconductor and electronics manufacturing in countries like China, South Korea, and Japan. Meanwhile, North America and Europe are witnessing steady growth due to strong automotive and aerospace industries. In the Americas, the United States remains a pivotal market owing to its robust automotive manufacturing sector and innovative research activities.

However, high production costs and complex manufacturing processes pose challenges to market expansion. Nevertheless, advancements in reinforcement technologies and increasing penetration in emerging economies present lucrative growth opportunities.

Major market players included in this report are:

Avient Corporation

DuPont

DSM

Victrex plc

SABIC

BASF SE

Solvay

SGL Carbon

Lanxess

Celanese Corporation

The detailed segments and sub-segment of the market are explained below:

**By Resin Type:**

Polypropylene

Polyamide

PEEK

PBT

Other Resin Types

**By Application:**

Automotive &amp; Transportation

Consumer Goods

Aerospace &amp; Defense

Other Applications

**By Reinforcement Type:**

Glass Fiber

Carbon Fiber

**By Region:**

North America: U.S., Canada

Europe: UK, Germany, France, Italy, Spain, Rest of Europe

Asia Pacific: China, Japan, South Korea, India, Australia, Rest of Asia Pacific

Latin America: Brazil, Mexico, Rest of Latin America

Middle East & Africa: Saudi Arabia, South Africa, Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year – 2022

Base Year – 2023

Forecast Period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecasts for 10 years (2022–2032)

Annualized revenues and regional-level analysis for each market segment

Detailed analysis of geographical landscape with country-level insights

Competitive landscape, including major players and key strategies

Comprehensive demand-side and supply-side market analysis

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