

# Automotive Carbon Thermoplastic Market: A Global and Regional Analysis, 2023-2033

<https://marketpublishers.com/r/A525688D7E2CEN.html>

Date: December 2023

Pages: 160

Price: US\$ 4,950.00 (Single User License)

ID: A525688D7E2CEN

## Abstracts

This report will be delivered in 3-5 working days.

The global automotive carbon thermoplastic market is experiencing significant growth, driven by a rising emphasis on lightweight materials in the automotive industry. Carbon thermoplastics, reinforced with carbon fibers, offer a unique combination of strength, low weight, and design flexibility. As the automotive sector continues to prioritize fuel efficiency and emission reduction, manufacturers are increasingly turning to carbon thermoplastics to replace traditional metal components. This shift not only helps in achieving weight reduction but also contributes to improved fuel efficiency and overall vehicle performance.

Stringent regulations aimed at reducing carbon emissions are playing a pivotal role in the growing adoption of automotive carbon thermoplastics. Governments around the world are implementing stricter fuel efficiency standards, pushing automakers to explore innovative materials that contribute to light weighting without compromising safety or structural integrity. Carbon thermoplastics provide an attractive solution by offering a balance between strength and weight, making them a preferred choice for various automotive applications, including body panels, interior components, and structural elements. This trend is particularly evident as the automotive industry transitions towards electric vehicles, where lightweight materials become even more crucial for optimizing battery range and performance.

Market Segmentation:

Segmentation 1: by Application

Exterior

Interior

Chassis

Powertrain and Under the Hood

Others

### Segmentation 2: by Resin Type

Polyamide

Polypropylene

Polyphenylene Sulfide

Polyetherimide

Polyether Ether Ketone

Polycarbonate

Others

### Segmentation 3: by Region

North America

Europe

Asia-Pacific

Rest-of-the-World

## Key Questions Answered:

What are the main factors driving the demand for global automotive carbon thermoplastic market?

What are the major patents filed by the companies active in the global automotive carbon thermoplastic market?

What are the strategies adopted by the key companies to gain a competitive edge in automotive carbon thermoplastic industry?

What is the futuristic outlook for the automotive carbon thermoplastic industry in terms of growth potential?

Which application, and resin type segment is expected to lead the market over the forecast period (2023-2033)?

Which region and country is expected to lead the market over the forecast period (2023-2033)?

## Contents

### 1 MARKETS: INDUSTRY OUTLOOK

#### 1.1 Trends: Current and Future Impact Assessment

##### 1.1.1 'Large-scale manufacturing of structural automotive components '

1.1.3 Growing Concerns Related to Emission Regulations encouraging OEMs to redirect their attention toward carbon fiber composites

#### 1.2 Supply Chain Overview

##### 1.2.1 Value chain Analysis

##### 1.2.2 Market Map

##### 1.2.3 Pricing Forecast

#### 1.3 R&D Review

##### 1.3.1 Patent Filing Trend by Country, by Company

#### 1.4 Regulatory Landscape

#### 1.5 Stakeholder Analysis

##### 1.5.1 Use case

##### 1.5.2 End User and buying criteria

#### 1.6 Impact analysis for Key Global Events-covid19, Russia/Ukraine or Middle East crisis

#### 1.7 Major Developments and Ongoing Projects

#### 1.8 Market Dynamics Overview

##### 1.8.1 Market Drivers

##### 1.8.2 Market Restraints

##### 1.8.3 Market Opportunities

### 2 APPLICATION

#### 2.1 Application Segmentation

#### 2.2 Application Summary

#### 2.3 Global Automotive Carbon Thermoplastic Market – by Application

##### 2.3.1 Exterior

##### 2.3.2 Interior

##### 2.3.3 Chassis

##### 2.3.4 Powertrain and Under the Hood

##### 2.3.5 Others

### 3 PRODUCT

#### 3.1 Product Segmentation

### 3.2 Product Summary

### 3.3 Global Automotive Carbon Thermoplastic Market – by Resin Type

#### 3.3.1 Polyamide

#### 3.3.2 Polypropylene

#### 3.3.3 Polyphenylene Sulfide

#### 3.3.4 Polyetherimide

#### 3.3.5 Polyether Ether Ketone

#### 3.3.6 Polycarbonate

#### 3.3.7 Others

## 4 REGION

### 4.1 Regional Summary

Table: Global Automotive Carbon Thermoplastic Market, By Region, (Kilo Tons), 2022-2033

Table: Global Automotive Carbon Thermoplastic Market, By Region, (\$ Million), 2022-2033

### 4.2 Drivers and Restraints

### 4.3 North America

#### 4.3.1 Key Market Participants in North America

#### 4.3.2 Business Drivers

#### 4.3.3 Business Challenges

#### 4.3.4 Application

Table: North America Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: North America Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

#### 4.3.5 Product

Table: North America Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: North America Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.3.6 North America Automotive Carbon Thermoplastic Market (by Country)

##### 4.3.6.1 U.S.

Table: U.S. Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: U.S. Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: U.S. Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons),

2022-2033

Table: U.S. Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million),  
2022-2033

#### 4.3.6.2 Canada

Table: Canada Automotive Carbon Thermoplastic Market, By Application (Kilo Tons),  
2022-2033

Table: Canada Automotive Carbon Thermoplastic Market, By Application (\$ Million),  
2022-2033

Table: Canada Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons),  
2022-2033

Table: Canada Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million),  
2022-2033

#### 4.3.6.2 Mexico

Table: Mexico Automotive Carbon Thermoplastic Market, By Application (Kilo Tons),  
2022-2033

Table: Mexico Automotive Carbon Thermoplastic Market, By Application (\$ Million),  
2022-2033

Table: Mexico Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons),  
2022-2033

Table: Mexico Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million),  
2022-2033

### 4.4 Europe

#### 4.4.1 Key Market Participants in Europe

#### 4.4.2 Business Drivers

#### 4.4.3 Business Challenges

#### 4.4.4 Application

Table: Europe Automotive Carbon Thermoplastic Market, By Application (Kilo Tons),  
2022-2033

Table: Europe Automotive Carbon Thermoplastic Market, By Application (\$ Million),  
2022-2033

#### 4.4.5 Product

Table: Europe Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons),  
2022-2033

Table: Europe Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million),  
2022-2033

#### 4.4.6 Europe Automotive Carbon Thermoplastic Market (by Country)

##### 4.4.6.1 Germany

Table: Germany Automotive Carbon Thermoplastic Market, By Application (Kilo Tons),  
2022-2033

Table: Germany Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Germany Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Germany Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.4.6.2 France

Table: France Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: France Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: France Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: France Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.4.6.3 Italy

Table: Italy Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: Italy Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Italy Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Italy Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.4.6.3 Spain

Table: Spain Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: Spain Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Spain Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Spain Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.4.6.5 U.K.

Table: U.K. Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: U.K. Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: U.K. Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons),

2022-2033

Table: U.K. Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.4.6.6 Rest-of-Europe

Table: Rest-of-Europe Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: Rest-of-Europe Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Rest-of-Europe Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Rest-of-Europe Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

### 4.5 Asia-Pacific

#### 4.5.1 Key Market Participants in Asia-Pacific

#### 4.5.2 Business Drivers

#### 4.5.3 Business Challenges

#### 4.5.4 Application

Table: Asia-Pacific Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: Asia-Pacific Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

#### 4.5.5 Product

Table: Asia-Pacific Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Asia-Pacific Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.5.6 Asia-Pacific Automotive Carbon Thermoplastic Market (by Country)

##### 4.5.6.1 China

Table: China Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: China Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: China Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: China Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

##### 4.5.6.2 Japan

Table: Japan Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033



Table: Japan Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Japan Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Japan Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.5.6.3 India

Table: India Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: India Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: India Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: India Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.5.6.3 South Korea

Table: South Korea Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: South Korea Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: South Korea Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: South Korea Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.5.6.4 Rest-of-Asia-Pacific

Table: Rest-of-Asia-Pacific Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: Rest-of-Asia-Pacific Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: Rest-of-Asia-Pacific Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Rest-of-Asia-Pacific Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

### 4.6 Rest-of-the-World

4.6.1 Key Market Participants in Rest-of-the-World

4.6.2 Business Drivers

4.6.3 Business Challenges

4.6.4 Application

Table: Rest-of-the-World Automotive Carbon Thermoplastic Market, By Application (Kilo

Tons), 2022-2033

Table: Rest-of-the-World Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

#### 4.6.5 Product

Table: Rest-of-the-World Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: Rest-of-the-World Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

#### 4.6.6 Rest of the World Automotive Carbon Thermoplastic Market (By Region)

##### 4.6.6.1 The Middle East and Africa

Table: The Middle East and Africa Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: The Middle East and Africa Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: The Middle East and Africa Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: The Middle East and Africa Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

##### 4.6.6.2 South America

Table: South America Automotive Carbon Thermoplastic Market, By Application (Kilo Tons), 2022-2033

Table: South America Automotive Carbon Thermoplastic Market, By Application (\$ Million), 2022-2033

Table: South America Automotive Carbon Thermoplastic Market, By Resin Type (Kilo Tons), 2022-2033

Table: South America Automotive Carbon Thermoplastic Market, By Resin Type (\$ Million), 2022-2033

## 5 MARKETS - COMPETITIVE LANDSCAPE & COMPANY PROFILES

### 5.1 Competitive Landscape

### 5.2 Company Profiles

#### 5.2.1 Avient Corporation

##### 5.2.1.1 Overview

##### 5.2.1.2 Top Products / Product Portfolio

##### 5.2.1.3 Top Competitors

##### 5.2.1.4 Target Customers/End-Users

##### 5.2.1.5 Key Personnel

##### 5.2.1.6 Analyst View

- 5.2.1.7 Market Share
- 5.2.2 Asahi Kasei Corporation
  - 5.2.2.1 Overview
  - 5.2.2.2 Top Products / Product Portfolio
  - 5.2.2.3 Top Competitors
  - 5.2.2.4 Target Customers/End-Users
  - 5.2.2.5 Key Personnel
  - 5.2.2.6 Analyst View
  - 5.2.2.7 Market Share
- 5.2.3 BASF SE
  - 5.2.3.1 Overview
  - 5.2.3.2 Top Products / Product Portfolio
  - 5.2.3.3 Top Competitors
  - 5.2.3.4 Target Customers/End-Users
  - 5.2.3.5 Key Personnel
  - 5.2.3.6 Analyst View
  - 5.2.3.7 Market Share
- 5.2.4 Celanese Corporation
  - 5.2.4.1 Overview
  - 5.2.4.2 Top Products / Product Portfolio
  - 5.2.4.3 Top Competitors
  - 5.2.4.4 Target Customers/End-Users
  - 5.2.4.5 Key Personnel
  - 5.2.4.6 Analyst View
  - 5.2.4.7 Market Share
- 5.2.5 Complam Material Co., Ltd.
  - 5.2.5.1 Overview
  - 5.2.5.2 Top Products / Product Portfolio
  - 5.2.5.3 Top Competitors
  - 5.2.5.4 Target Customers/End-Users
  - 5.2.5.5 Key Personnel
  - 5.2.5.6 Analyst View
  - 5.2.5.7 Market Share
- 5.2.6 Cytec Industries, Inc.
  - 5.2.6.1 Overview
  - 5.2.6.2 Top Products / Product Portfolio
  - 5.2.6.3 Top Competitors
  - 5.2.6.4 Target Customers/End-Users
  - 5.2.6.5 Key Personnel

- 5.2.6.6 Analyst View
- 5.2.6.7 Market Share
- 5.2.7 Ensinger
  - 5.2.7.1 Overview
  - 5.2.7.2 Top Products / Product Portfolio
  - 5.2.7.3 Top Competitors
  - 5.2.7.4 Target Customers/End-Users
  - 5.2.7.5 Key Personnel
  - 5.2.7.6 Analyst View
  - 5.2.7.7 Market Share
- 5.2.8 E.I. Dupont De Nemours and Company
  - 5.2.8.1 Overview
  - 5.2.8.2 Top Products / Product Portfolio
  - 5.2.8.3 Top Competitors
  - 5.2.8.4 Target Customers/End-Users
  - 5.2.8.5 Key Personnel
  - 5.2.8.6 Analyst View
  - 5.2.8.7 Market Share
- 5.2.9 Gurit Holding AG
  - 5.2.9.1 Overview
  - 5.2.9.2 Top Products / Product Portfolio
  - 5.2.9.3 Top Competitors
  - 5.2.9.4 Target Customers/End-Users
  - 5.2.9.5 Key Personnel
  - 5.2.9.6 Analyst View
  - 5.2.9.7 Market Share
- 5.2.10 Mitsubishi Chemical Group Corporation
  - 5.2.10.1 Overview
  - 5.2.10.2 Top Products / Product Portfolio
  - 5.2.10.3 Top Competitors
  - 5.2.10.4 Target Customers/End-Users
  - 5.2.10.5 Key Personnel
  - 5.2.10.6 Analyst View
  - 5.2.10.7 Market Share
- 5.2.11 Quickstep Holding Limited
  - 5.2.11.1 Overview
  - 5.2.11.2 Top Products / Product Portfolio
  - 5.2.11.3 Top Competitors
  - 5.2.11.4 Target Customers/End-Users

5.2.11.5 Key Personnel

5.2.11.6 Analyst View

5.2.11.7 Market Share

5.2.12 SABIC

5.2.12.1 Overview

5.2.12.2 Top Products / Product Portfolio

5.2.12.3 Top Competitors

5.2.12.4 Target Customers/End-Users

5.2.12.5 Key Personnel

5.2.12.6 Analyst View

5.2.12.7 Market Share

5.2.13 SGL Group-The Carbon Company

5.2.13.1 Overview

5.2.13.2 Top Products / Product Portfolio

5.2.13.3 Top Competitors

5.2.13.4 Target Customers/End-Users

5.2.13.5 Key Personnel

5.2.13.6 Analyst View

5.2.13.7 Market Share

5.2.14 Teijin Ltd.

5.2.14.1 Overview

5.2.14.2 Top Products / Product Portfolio

5.2.14.3 Top Competitors

5.2.14.4 Target Customers/End-Users

5.2.14.5 Key Personnel

5.2.14.6 Analyst View

5.2.14.7 Market Share

5.2.15 Tencate

5.2.15.1 Overview

5.2.15.2 Top Products / Product Portfolio

5.2.15.3 Top Competitors

5.2.15.4 Target Customers/End-Users

5.2.15.5 Key Personnel

5.2.15.6 Analyst View

5.2.15.7 Market Share

5.3 Other Key Market Participants

## **6 GROWTH OPPORTUNITIES & RECOMMENDATIONS**

## 7 RESEARCH METHODOLOGY

## I would like to order

Product name: Automotive Carbon Thermoplastic Market: A Global and Regional Analysis, 2023-2033

Product link: <https://marketpublishers.com/r/A525688D7E2CEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A525688D7E2CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970