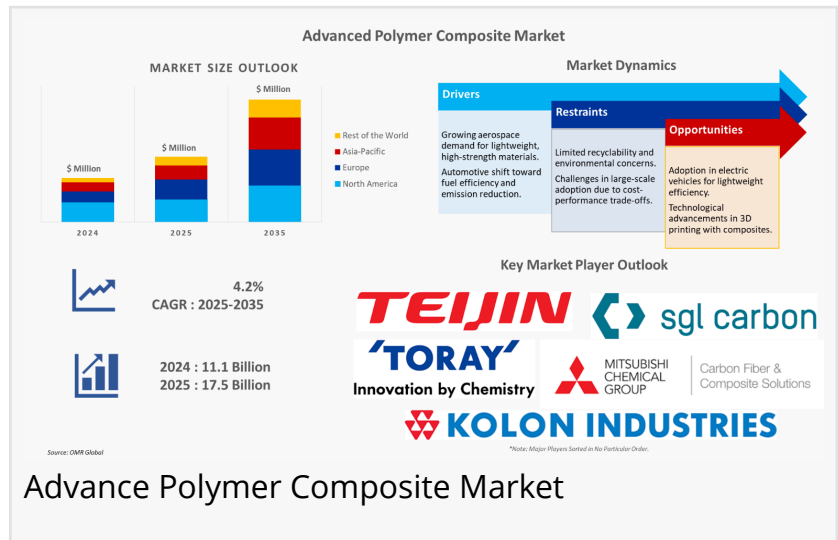


# Lightweight Material Trends Fuel Advance Polymer Composite Market beyond \$17.4 Billion by 2035

*Advance polymer composite market growth accelerated by increasing automotive adoption for fuel efficiency and emission reduction.*

CA, UNITED STATES, August 26, 2025 /EINPresswire.com/ -- [Advance polymer composite market](https://www.omrglobal.com/advance-polymer-composite-market) was valued at \$11.1 billion in 2024 and is expected to reach \$17.4 billion by 2035, growing at a CAGR of 4.2% during the forecast period (2025–2035). Advanced polymer composites, with carbon fiber and fiberglass-reinforced composites, provide corrosion resistance, improved mechanical properties, and thermal stability, which makes them ideal for high-performance applications. As industries move towards more sustainable and lightweight technology, these composites are being used preferentially to save energy and boost fuel efficiency, particularly in the aerospace and automotive industries. Moreover, innovation in recycling technology and the emergence of bio-based and recyclable polymer composites also improve their attractiveness as sustainable products, which guarantees their ongoing demand in the future.



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## Market Dynamics

### Development of Eco-Friendly and Sustainable Bio-Based Composites Increases Market Growth

This market is booming with the latest trend in advanced technology and innovation. The market is growing due to higher demand for lightweight high-performance materials. The advancement of sustainable and green bio-based composites is the latest trend in next-generation polymer composites. These materials offer huge potential for use in several industries, including automotive, aerospace, building, and healthcare. The application of nanocomposites with better

mechanical, thermal, and electrical properties is also transforming in the market. The industry is expected to witness rapid growth over the next few years as a result of increasing demand.

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## Market Players Outlook

The major companies operating in the global advance polymer composite market include Kolon Industries Inc., Mitsubishi Chemical Carbon Fiber and Composites Inc., SGL Carbon SE, Teijin Ltd., and Toray Industries, Inc., among others. Market players are leveraging partnerships, collaborations, mergers, and acquisitions to expand their businesses and develop innovative products, thereby maintaining their market positioning.

## Recent Developments

- In September 2024, Toray Advanced Composites introduced Toray Cetex PESU, a high-performance thermoplastic composite material. The new product was characterized as merging thermal stability with superior mechanical performance, for use in electric vehicles, aerospace interiors, and structural applications. Also, the new composite has simpler processing and recyclability, meeting industry sustainability objectives. The product was launched as part of Toray's overall strategy to grow its thermoplastic composite portfolio for next-generation mobility and high-temperature applications.

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Some of the Key Companies in the Advance Polymer Composite Market include-

- Arkema SA
- Avient Corp.
- BASF SE
- Carbon Composites Inc.
- Cristex, Ltd.
- Cytec Industries
- Hexcel Corp.
- Kemrock Industries and Exports, Ltd.
- Kolon Industries Inc.
- Mitsubishi Chemical Carbon Fiber and Composites Inc.
- Mitsubishi Rayon Co. Ltd.
- Owens Corning Corp.
- Polymer Composites, Inc.
- SGL Carbon SE
- Solvay SA

- Teijin Ltd.
- Toray Industries, Inc.
- TPI Composites

## Advance Polymer Composite Market Segmentation Analysis

### Global Advance Polymer Composite Market by Product

- Resin
- Epoxy Resins
- Phenolic Resins
- Polyester Resins

### Global Advance Polymer Composite Market by Fiber

- Carbon
- Glass
- Aramid
- Other

### Global Advance Polymer Composite Market by Application

- Aerospace & Defense
- Automotive
- Wind Energy
- Sporting Goods
- Other

### Regional Analysis

- North America
  - o United States
  - o Canada
- Europe
  - o UK
  - o Germany
  - o Italy
  - o Spain
  - o France
  - o Rest of Europe
- Asia-Pacific
  - o China
  - o India
  - o Japan
  - o South Korea
  - o ASEAN Economies (Singapore, Thailand, Vietnam, Indonesia, and Other)
  - o Australia and New Zealand

- o Rest of Asia-Pacific
- Rest of the World
- o Latin America
- o Middle East and Africa

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