

## **United States Automotive Composites Market Report and Forecast 2024-2032**

Market Report | 2024-04-16 | 166 pages | EMR Inc.

### **AVAILABLE LICENSES:**

- Single User License \$2999.00
- Five User License \$3999.00
- Corporate License \$4999.00

### **Report description:**

United States Automotive Composites Market Report and Forecast 2024-2032

#### Market Outlook

According to the report by Expert Market Research (EMR), the United States automotive composites market is projected to grow at a CAGR of 5.80% between 2024 and 2032. Aided by the increasing demand for lightweight vehicles, stringent environmental regulations, and advancements in composite material technologies, the market is expected to grow significantly by 2032.

Automotive composites are revolutionising the automotive sector, offering unmatched benefits in terms of weight reduction, fuel efficiency, and performance enhancement. Comprising materials such as carbon fibre, glass fibre, and natural fibres, these composites are becoming integral in the manufacturing of vehicles, from passenger cars to commercial vehicles. Their application spans various vehicle components, including body panels, frames, interiors, and powertrain systems, contributing to the development of safer, more efficient, and environmentally friendly vehicles.

As per the United States automotive composites market analysis, the regulatory push towards reducing vehicle emissions and improving fuel economy has led automakers to adopt lightweight materials like composites to decrease vehicle weight and enhance fuel efficiency. Additionally, the growing consumer preference for high-performance and aesthetically appealing vehicles is driving the demand for automotive composites.

Technological advancements in composite materials and manufacturing processes are enabling the production of composites that are not only lightweight but also strong and durable. As per the United States automotive composites market outlook, innovations in recycling and material science are addressing concerns related to the cost and environmental impact of composite materials. Moreover, the electric vehicle (EV) revolution is significantly influencing the market. As EVs gain popularity, the need for lightweight materials to extend battery range and improve efficiency becomes paramount, positioning composites as a key material in EV design and manufacturing.

One notable trend boosting the United States automotive composites market growth is the increasing use of carbon fibre composites for high-performance and luxury vehicles, offering unparalleled strength-to-weight ratios. This trend is extending to mainstream vehicles as manufacturing costs decline and carbon fibre becomes more accessible. Another significant trend is the development of bio-based composites, which use natural fibres and resins derived from renewable resources. This shift towards sustainable materials reflects the automotive sector's commitment to environmental stewardship and the circular economy.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

There is a growing trend towards the development and use of hybrid composite structures, which combine different types of fibres, such as carbon and glass, in a single composite material, contributing to the United States automotive composites market share. This approach allows manufacturers to optimise the balance between cost, weight, and performance, tailoring materials to specific application requirements within vehicles. Hybrid composites offer a versatile solution that can meet the diverse needs of the automotive sector, from enhancing structural integrity to reducing production costs.

The adoption of advanced manufacturing techniques, such as automated fibre placement (AFP) and automated tape laying (ATL), is becoming more prevalent in the automotive composites market in the United States. These methods increase the precision and efficiency of composite part production, enabling the creation of complex shapes and designs that were previously challenging or costly to produce. As these techniques continue to mature, they will further lower the barriers to composite adoption in automotive applications, driving innovation and differentiation in vehicle design.

With increasing environmental concerns and regulatory pressures, there is a stronger focus on the recyclability and sustainability of automotive composites. Research and development efforts are geared towards creating composites that are easier to recycle at the end of their lifecycle and developing bio-based composites made from renewable resources, which further propels the United States automotive composites market expansion. This trend not only addresses environmental challenges but also aligns with consumer demand for more sustainable automotive products.

#### Market Segmentation □

The market can be divided based on production process, material type, vehicle type, application, and region.

##### Market Breakup by Production Process

- Injection Moulding Process
- Compression Moulding Process
- Resin Transfer Moulding Process
- Others

##### Market Breakup by Material Type

- Thermoset Polymer
- Thermoplastic Polymer
- Glass Fibre
- Carbon Fibre
- Others

##### Market Breakup by Vehicle Type

- Electric Vehicles (EV)
- Non-Electric Vehicles

##### Market Breakup by Application

- Exterior Components
- Interior Components
- Structural and Powertrain Components
- Others

##### Market Breakup by Region

- New England
- Midwest
- Great Lakes
- Plains
- Southeast
- Southwest
- Rocky Mountain
- Far West

##### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

other major developments, of the leading companies operating in the United States automotive composites market. Some of the major players explored in the report by Expert Market Research are as follows:

- Mitsubishi Chemical Group Corp.
- SGL Carbon SE
- Toray Industries Inc.
- Owens Corning
- Solvay S.A.
- Teijin Limited
- Hexcel Corporation
- BASF SE
- Sigmatex
- Huntsman International LLC
- Others

#### About Us

Acquire unparalleled access to critical industry insights with our comprehensive market research reports, meticulously prepared by a team of seasoned experts. These reports are designed to equip decision-makers with an in-depth understanding of prevailing market trends, competitive landscapes, and growth opportunities.

Our high-quality, data-driven analysis provides the essential framework for organisations seeking to make informed and strategic decisions in an increasingly complex and rapidly evolving business environment. By investing in our market research reports, you can ensure your organisation remains agile, proactive, and poised for success in today's competitive market.

Don't miss the opportunity to elevate your business intelligence and strengthen your strategic planning. Secure your organisation's future success by acquiring one of our Expert Market Research reports today.

\*We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

#### Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
  - 3.1 Market Definition and Outlook
  - 3.2 Properties and Applications
  - 3.3 Market Analysis
  - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
  - 5.1 Overview
  - 5.2 Key Drivers
  - 5.3 Key Developments
  - 5.4 Competitive Structure
  - 5.5 Key Industrial Trends
- 6 Market Snapshot
- 7 Opportunities and Challenges in the Market
- 8 North America Automotive Composites Market Overview
  - 8.1 Key Industry Highlights
  - 8.2 North America Automotive Composites Historical Market (2018-2023)
  - 8.3 North America Automotive Composites Market Forecast (2024-2032)
  - 8.4 North America Automotive Composites Market Breakup by Country

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 8.4.1 United States
- 8.4.2 Canada
- 9 United States Automotive Composites Market Overview
  - 9.1 Key Industry Highlights
  - 9.2 United States Automotive Composites Historical Market (2018-2023)
  - 9.3 United States Automotive Composites Market Forecast (2024-2032)
- 10 United States Automotive Composites Market by Production Process
  - 10.1 Injection Moulding Process
    - 10.1.1 Historical Trend (2018-2023)
    - 10.1.2 Forecast Trend (2024-2032)
  - 10.2 Compression Moulding Process
    - 10.2.1 Historical Trend (2018-2023)
    - 10.2.2 Forecast Trend (2024-2032)
  - 10.3 Resin Transfer Moulding Process
    - 10.3.1 Historical Trend (2018-2023)
    - 10.3.2 Forecast Trend (2024-2032)
  - 10.4 Others
- 11 United States Automotive Composites Market by Material Type
  - 11.1 Thermoset Polymer
    - 11.1.1 Historical Trend (2018-2023)
    - 11.1.2 Forecast Trend (2024-2032)
  - 11.2 Thermoplastic Polymer
    - 11.2.1 Historical Trend (2018-2023)
    - 11.2.2 Forecast Trend (2024-2032)
  - 11.3 Glass Fibre
    - 11.3.1 Historical Trend (2018-2023)
    - 11.3.2 Forecast Trend (2024-2032)
  - 11.4 Carbon Fibre
    - 11.4.1 Historical Trend (2018-2023)
    - 11.4.2 Forecast Trend (2024-2032)
  - 11.5 Others
- 12 United States Automotive Composites Market by Vehicle Type
  - 12.1 Electric Vehicles (EV)
    - 12.1.1 Historical Trend (2018-2023)
    - 12.1.2 Forecast Trend (2024-2032)
  - 12.2 Non-Electric Vehicles
    - 12.2.1 Historical Trend (2018-2023)
    - 12.2.2 Forecast Trend (2024-2032)
- 13 United States Automotive Composites Market by Application
  - 13.1 Exterior Components
    - 13.1.1 Historical Trend (2018-2023)
    - 13.1.2 Forecast Trend (2024-2032)
  - 13.2 Interior Components
    - 13.2.1 Historical Trend (2018-2023)
    - 13.2.2 Forecast Trend (2024-2032)
  - 13.3 Structural and Powertrain Components
    - 13.3.1 Historical Trend (2018-2023)

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 13.3.2 Forecast Trend (2024-2032)
  - 13.4 Others
- 14 United States Automotive Composites Market by Region
  - 14.1 New England
    - 14.1.1 Historical Trend (2018-2023)
    - 14.1.2 Forecast Trend (2024-2032)
  - 14.2 Mideast
    - 14.2.1 Historical Trend (2018-2023)
    - 14.2.2 Forecast Trend (2024-2032)
  - 14.3 Great Lakes
    - 14.3.1 Historical Trend (2018-2023)
    - 14.3.2 Forecast Trend (2024-2032)
  - 14.4 Plains
    - 14.4.1 Historical Trend (2018-2023)
    - 14.4.2 Forecast Trend (2024-2032)
  - 14.5 Southeast
    - 14.5.1 Historical Trend (2018-2023)
    - 14.5.2 Forecast Trend (2024-2032)
  - 14.6 Southwest
    - 14.6.1 Historical Trend (2018-2023)
    - 14.6.2 Forecast Trend (2024-2032)
  - 14.7 Rocky Mountain
    - 14.7.1 Historical Trend (2018-2023)
    - 14.7.2 Forecast Trend (2024-2032)
  - 14.8 Far West
    - 14.8.1 Historical Trend (2018-2023)
    - 14.8.2 Forecast Trend (2024-2032)
- 15 Market Dynamics
  - 15.1 SWOT Analysis
    - 15.1.1 Strengths
    - 15.1.2 Weaknesses
    - 15.1.3 Opportunities
    - 15.1.4 Threats
  - 15.2 Porter's Five Forces Analysis
    - 15.2.1 Supplier's Power
    - 15.2.2 Buyer's Power
    - 15.2.3 Threat of New Entrants
    - 15.2.4 Degree of Rivalry
    - 15.2.5 Threat of Substitutes
  - 15.3 Key Indicators for Demand
  - 15.4 Key Indicators for Price
- 16 Competitive Landscape
  - 16.1 Market Structure
  - 16.2 Company Profiles
    - 16.2.1 Mitsubishi Chemical Group Corp.
      - 16.2.1.1 Company Overview
      - 16.2.1.2 Product Portfolio

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 16.2.1.3 Demographic Reach and Achievements
- 16.2.1.4 Certifications
- 16.2.2 SGL Carbon SE
  - 16.2.2.1 Company Overview
  - 16.2.2.2 Product Portfolio
  - 16.2.2.3 Demographic Reach and Achievements
  - 16.2.2.4 Certifications
- 16.2.3 Toray Industries Inc.
  - 16.2.3.1 Company Overview
  - 16.2.3.2 Product Portfolio
  - 16.2.3.3 Demographic Reach and Achievements
  - 16.2.3.4 Certifications
- 16.2.4 Owens Corning
  - 16.2.4.1 Company Overview
  - 16.2.4.2 Product Portfolio
  - 16.2.4.3 Demographic Reach and Achievements
  - 16.2.4.4 Certifications
- 16.2.5 Solvay S.A.
  - 16.2.5.1 Company Overview
  - 16.2.5.2 Product Portfolio
  - 16.2.5.3 Demographic Reach and Achievements
  - 16.2.5.4 Certifications
- 16.2.6 Teijin Limited
  - 16.2.6.1 Company Overview
  - 16.2.6.2 Product Portfolio
  - 16.2.6.3 Demographic Reach and Achievements
  - 16.2.6.4 Certifications
- 16.2.7 Hexcel Corporation
  - 16.2.7.1 Company Overview
  - 16.2.7.2 Product Portfolio
  - 16.2.7.3 Demographic Reach and Achievements
  - 16.2.7.4 Certifications
- 16.2.8 BASF SE
  - 16.2.8.1 Company Overview
  - 16.2.8.2 Product Portfolio
  - 16.2.8.3 Demographic Reach and Achievements
  - 16.2.8.4 Certifications
- 16.2.9 Sigmatech
  - 16.2.9.1 Company Overview
  - 16.2.9.2 Product Portfolio
  - 16.2.9.3 Demographic Reach and Achievements
  - 16.2.9.4 Certifications
- 16.2.10 Huntsman International LLC
  - 16.2.10.1 Company Overview
  - 16.2.10.2 Product Portfolio
  - 16.2.10.3 Demographic Reach and Achievements
  - 16.2.10.4 Certifications

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

17 Key Trends and Developments in the Market

List of Key Figures and Tables

1. North America Automotive Composites Market: Key Industry Highlights, 2018 and 2032
2. United States Automotive Composites Market: Key Industry Highlights, 2018 and 2032
3. United States Automotive Composites Historical Market: Breakup by Production Process (USD Million), 2018-2023
4. United States Automotive Composites Market Forecast: Breakup by Production Process (USD Million), 2024-2032
5. United States Automotive Composites Historical Market: Breakup by Material Type (USD Million), 2018-2023
6. United States Automotive Composites Market Forecast: Breakup by Material Type (USD Million), 2024-2032
7. United States Automotive Composites Historical Market: Breakup by Vehicle Type (USD Million), 2018-2023
8. United States Automotive Composites Market Forecast: Breakup by Vehicle Type (USD Million), 2024-2032
9. United States Automotive Composites Historical Market: Breakup by Application (USD Million), 2018-2023
10. United States Automotive Composites Market Forecast: Breakup by Application (USD Million), 2024-2032
11. United States Automotive Composites Historical Market: Breakup by Region (USD Million), 2018-2023
12. United States Automotive Composites Market Forecast: Breakup by Region (USD Million), 2024-2032
13. United States Automotive Composites Market Structure

## United States Automotive Composites Market Report and Forecast 2024-2032

Market Report | 2024-04-16 | 166 pages | EMR Inc.

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$2999.00
	Five User License	\$3999.00
	Corporate License	\$4999.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ \*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-04"/>
		Signature	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com