

# Revolution in Automotive Lightweight Materials: Market Poised to Hit \$126.76 Billion by 2030 – Allied Market Research

*Surge in need for improved safety and augmented performance of the vehicle boosts the growth of the global automotive lightweight materials market.*

OREGON, DE, UNITED STATES, March 17, 2025 /EINPresswire.com/ -- According to a recent report published by Allied Market Research, titled, "Automotive Lightweight Materials Market by Vehicle Type, Material Type, and Component: Global Opportunity Analysis and Industry Forecast, 2021–2030"

The global [automotive lightweight material market size](#) was valued at \$71.65 billion in 2020, and is projected to reach \$126.76 billion by 2030, registering a CAGR of 7.1% Europe was the highest revenue contributor, accounting for \$26.15 billion in 2020, and is estimated to reach \$50.45 billion by 2030, with a CAGR of 8.0%.

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Europe dominates the market in terms of revenue, followed by North America, Asia-Pacific, and LAMEA. The U.S. led the automotive lightweight materials market share in 2020, and is expected to grow at a significant rate during the forecast period due to the changing automotive industry outlook.

The [growth of the global automotive lightweight materials market](#) is driven by surge in need for fuel-efficient mobility solution and improved strength & safety of the vehicle. Moreover, consistent changes in design requirements of the automotive especially in electric vehicles and implementation of stringent emission norms by several policymakers are projected to create significant opportunity for lightweight materials during the forecast period.

The composites segment is anticipated to create lucrative growth opportunities, owing to increase in demand for fuel-efficient solutions along with improved strength.

The IC engine powered segment to dominate by 2030-

By vehicle type, the IC engine powered segment contributed to around four-fifths of the global automotive light material market share in 2020 and is expected to lead the trail by the end of

2030. The fact that the available fleet across the globe is dominated by the IC powered vehicle drives the growth of the segment. However, the electric powered segment is expected cite the fastest CAGR of 10.4% from 2021 to 2030. This is attributed to the rise in penetration of electric vehicle and growing trend of usage of green mobility solution.

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The exterior systems and components segment to maintain the dominant share-

Based on component, the exterior systems and components segment accounted for more than two-fifths of the total market revenue in 2020 and is projected to retain its dominance by 2030. Furthermore, the segment would also manifest the fastest CAGR of 7.9% throughout the forecast period. This is owing to the change in manufacturing outlook of the automotive development and growing adoption of the [lightweight materials by the automotive manufacturers](#).

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- Hindalco Industries Limited
- Lyondellbasell Industries N.V.
- Owens Corning
- Stratasys Ltd.
- Thyssenkrupp AG
- Toray Industries Inc.
- Alcoa Corporation
- ArcelorMittal
- BASF SE
- Covestro AG

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Europe, followed by North America garnered the major share in 2020-

Based on region, Europe, followed by North America, held the major share in 2020, garnering more than One-third of the global market. The market across this region is also anticipated to register the fastest CAGR of 8.0% from 2021 to 2030. This is due to the rising adoption of automotive lightweight materials and growing need for fuel efficient automotive solutions. The other regions studied in the report include Asia-Pacific and LAMEA.

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<https://www.alliedmarketresearch.com/automotive-acoustic-material-market-A08447> -

Automotive Acoustic Material Market Size, Share, Competitive Landscape and Trend Analysis Report, by Material Type, by Application, by Component, by Vehicle Type : Global Opportunity Analysis and Industry Forecast, 2021-2031

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<https://www.alliedmarketresearch.com/automotive-carbon-fiber-market-A12796> - Automotive Carbon Fiber Market Size, Share, Competitive Landscape and Trend Analysis Report, by Material, by Vehicle Type, by Sales Channel, by Application : Global Opportunity Analysis and Industry Forecast, 2023-2032

<https://www.alliedmarketresearch.com/motorcycle-seat-market-A10082> - Motorcycle Seat Market Size, Share, Competitive Landscape and Trend Analysis Report, by Seat Type, by Material Type, by Motorcycle Type, by Sales Channel : Global Opportunity Analysis and Industry Forecast, 2023-2032

<https://www.alliedmarketresearch.com/automotive-fabric-market> - Automotive Fabric Market Size, Share, Competitive Landscape and Trend Analysis Report, by Fabric Type, Application and Vehicle Type : Global Opportunity Analysis and Industry Forecast, 2020-2027

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