

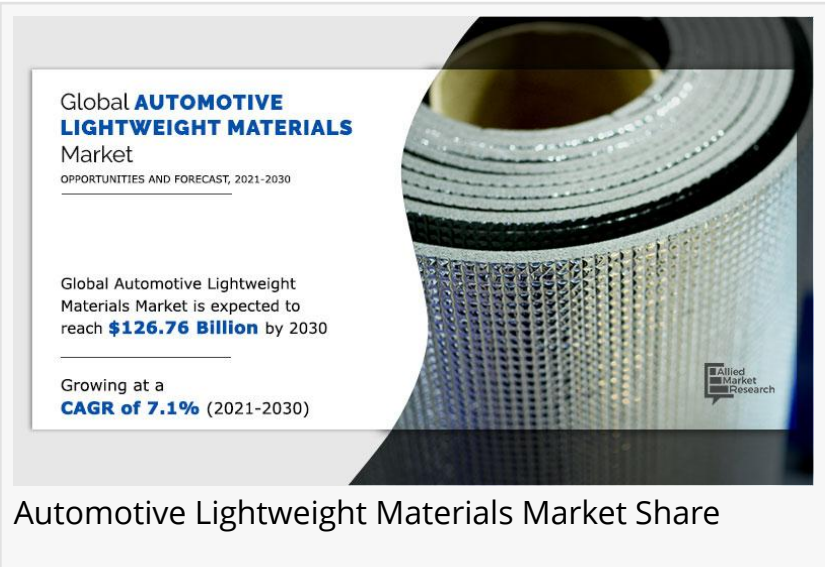
Automotive Lightweight Materials Market: Driving Innovation and Sustainability in the Automotive Industry

Innovations in material engineering, such as advanced composites and nano-materials, are making lightweight materials more durable, cost-effective, and scalable

WILMINGTON, NEW CASTLE, DE, UNITED STATES, January 27, 2025

/EINPresswire.com/ -- Allied Market Research published a report, titled,

["Automotive Lightweight Materials Market](#) by Vehicle Type (IC Engine Powered, Electric Powered, and Others), Material Type (Metals, Composites, Plastics, and Elastomer), and Component (Frame, Powertrain, Interior Systems & Components, and Exterior Systems & Components): Global Opportunity Analysis and Industry Forecast, 2021–2030"



Automotive Lightweight Materials Market Share

The global automotive lightweight materials market is expected to reach \$126.76 Billion by 2030, growing at a CAGR of 7.1% during the forecast period. The 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.

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[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.

Europe dominates the automotive lightweight materials market in which the U.S. is expected to be a leader country in the global automotive lightweight materials market during the forecast period. Moreover, Europe is expected to retain its dominance in the market, owing to changes in

automotive industry outlook and adoption of the advanced materials by automakers in the region for vehicle development. Germany, the UK, and India are expected to witness as emerging countries in the global automotive lightweight materials market, owing to transformation in automotive design consideration of the automakers to cope up with the stringent vehicle emission norms, as weight of the vehicle is directly impact the emission level of the vehicle. The global automotive lightweight materials market is a fairly fragmented market with several number of players holding majority of share. The majority of the market participants are strategically involved in product launch, expansion, and product development activities.

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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[options](#)

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□By vehicle type, the electric powered segment is expected to register significant growth during the forecast period.

□On the basis of material type, the metals segment is projected to lead the global market in terms of market share by the end of the forecast period.

□Depending on component, the exterior systems and components segment is projected to lead the global market, in terms of market share, by the end of the forecast period.

□Europe dominated the global automotive lightweight materials market in 2020 in terms of market share.

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