

# Automotive Lightweight Materials Market Report: Trends, Forecast and Competitive Analysis

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## Abstracts

The future of the global automotive lightweight materials market looks promising with opportunities in passenger cars, light commercial vehicles, and heavy commercial vehicles. The global automotive lightweight materials market is expected to reach an estimated \$110.5 billion by 2023 and it is forecast to grow at a CAGR of 6.1% from 2018 to 2023. The major drivers of growth for this market are government regulations concerning fuel economy and emissions, and increasing utilization of lightweight materials by manufacturers. The other major driver is growth of global vehicle production which is expected to grow at a CAGR of 2.5% during the forecast period and to reach 113 million units by 2023.

Emerging trends, which have a direct impact on the dynamics of the automotive lightweight materials industry, include increasing use of aluminum in chassis and structural applications, advanced manufacturing technology, development of aluminum-air battery, third generation AHSS, and pre-oxidation to galvanize AHSS, development of recycling technologies for plastics and replacement of PA 66 with cheaper and advanced PA 6.

A total of 122 figures/charts and 105 tables are provided in this 203 -page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of this automotive lightweight materials market report, download the report brochure.

Automotive Lightweight Materials Market

Automotive Lightweight Materials Market

## Market Share Analysis

The study includes the automotive lightweight materials market size and forecast for the global automotive lightweight materials market through 2023, segmented by material type, vehicle type, application, and region, as follows:

Automotive Lightweight Materials Market by Material Type (\$ Million and million pounds from 2012 to 2023)

AHSS Aluminum Magnesium Plastics Composites

Automotive Lightweight Materials Market by Vehicle Type (\$ Million and million pounds from 2012 to 2023)

Passenger Cars Light Commercial Vehicles Heavy Commercial Vehicles

Automotive Lightweight Materials Market by Application (\$ Million and million pounds from 2012 to 2023)

BIW Powertrain Interior Exterior Others

Automotive Lightweight Materials Market by Region (\$ Million and million pounds from 2012 to 2023)

North America US Canada Mexico Europe Germany France Russia United Kingdom Italy Asia Pacific China Japan India South Korea Indonesia The Rest of the World Brazil Turkey

Some of the automotive lightweight materials companies profiled in this report include ArcelorMittal SA, ThyssenKrupp AG, Alcoa Inc., Novelis Inc., Aleris International, Inc., POSCO, DowDuPont, LyondellBasell, Tata Steel Limited, US Magnesium, Owens Corning, Toray, BASF SE, SABIC, and Huntsman.

On the basis of its comprehensive research, Lucintel forecasts that the AHSS, aluminum and composites material segments will show above average growth during the forecast period.

Passenger car, light commercial vehicle, and heavy commercial vehicle are the major vehicle segments of the global automotive lightweight materials market. The passenger car segment is expected to show above average growth during the forecast period due to the increasing penetration of lightweight materials per vehicle.

Europe is expected to remain the largest region due to increasing use of lightweight materials content per vehicle coupled with stringent government regulations to reduce carbon emissions and to increase fuel efficiency. Asia Pacific is expected to witness significant growth over the forecast period because of high vehicle production and

continued increase of lightweight materials content per vehicle.

Some of the features of “Global Automotive Lightweight Materials Market Report: Trends, Forecast and Competitive Analysis” include:

Market size estimates: Global automotive lightweight materials market size estimation in terms of value (\$M) and volume (Million Pounds) shipment. Trend and forecast analysis: Market trend (2012-2017) and forecast (2018-2023) by application, and end use industry. Segmentation analysis: Global automotive lightweight materials market size by various applications such as material, vehicle, and application in terms of value and volume shipment. Regional analysis: Global automotive lightweight materials market breakdown by North America, Europe, Asia Pacific, and the Rest of the World. Growth opportunities: Analysis on growth opportunities in different applications and regions of automotive lightweight materials in the automotive lightweight materials market. Strategic analysis: This includes M&A, new product development, and competitive landscape of automotive lightweight materials in the automotive lightweight materials market. Analysis of competitive intensity of the industry based on Porter’s Five Forces model.

This report answers the following 11 key questions:

Q.1. What are some of the most promising, high growth opportunities for the automotive lightweight materials market by material type (aluminum, AHSS, magnesium, plastics and composites), vehicle type (passenger cars, light commercial vehicles, and heavy commercial vehicles), application (BIW, powertrain, interior, exterior, and others) and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this automotive lightweight materials market?

Q.5. What are the business risks and competitive threats in this automotive lightweight materials market?

Q.6. What are the emerging trends in this automotive lightweight materials market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the automotive lightweight materials market?

Q.8. What are the new developments in the automotive lightweight materials market? Which companies are leading these developments?

Q.9. Who are the major players in this automotive lightweight materials market? What

strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this automotive lightweight materials market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the automotive lightweight materials industry?

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