

Global Automotive Lightweight Materials Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/GEC85AC0A09EN.html>

Date: January 2024

Pages: 134

Price: US\$ 3,480.00 (Single User License)

ID: GEC85AC0A09EN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Lightweight Materials market size was valued at USD 123180 million in 2023 and is forecast to a readjusted size of USD 171950 million by 2030 with a CAGR of 4.9% during review period.

Automotive lightweight material refers to materials that exhibit high strength-to-weight ratio, superior corrosion resistance properties, and substantial design flexibility, thereby finding its application in automotive system and components. In the recent years, requirement for weight minimization & higher fuel efficiency, adhering to environmental regulations, and changing consumer sentiments toward mobility solutions as consumers demand for high-strength materials to attain the high-end operational performance are the major factors anticipated to influence automakers to focus on redesigning of materials.

Global key players of automotive lightweight material include BASF, Thyssenkrupp, Covestro, Arcelormittal, Lyondellbasell, etc. Global top five manufacturers hold a share over 20%. The key players are mainly located in Europe, North America, China and Japan. In terms of product, aluminum alloys is the largest segment, with a share over 43%. And in terms of application, the largest application is interiors and others, with a share over 30%.

The Global Info Research report includes an overview of the development of the Automotive Lightweight Materials industry chain, the market status of Body-in White (Aluminum Alloys, Magnesium Alloys), Chassis & Suspension (Aluminum Alloys, Magnesium Alloys), and key enterprises in developed and developing market, and

analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Lightweight Materials.

Regionally, the report analyzes the Automotive Lightweight Materials markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Lightweight Materials market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Lightweight Materials market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Lightweight Materials industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Aluminum Alloys, Magnesium Alloys).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Lightweight Materials market.

Regional Analysis: The report involves examining the Automotive Lightweight Materials market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Lightweight Materials market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Lightweight Materials:

Company Analysis: Report covers individual Automotive Lightweight Materials manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Lightweight Materials. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Body-in White, Chassis & Suspension).

Technology Analysis: Report covers specific technologies relevant to Automotive Lightweight Materials. It assesses the current state, advancements, and potential future developments in Automotive Lightweight Materials areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Lightweight Materials market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Lightweight Materials market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Aluminum Alloys

Magnesium Alloys

High Strength Steels

Engineering Plastics

Composites and Others

Market segment by Application

Body-in White

Chassis & Suspension

Powertrains and Closure

Interiors and Others

Major players covered

BASF

Thyssenkrupp

Covestro

Arcelormittal

Lyondellbasell

Novelis

Toray

Alcoa

Owens Corning

Borealis

SGL Carbon

DSM

SABIC

SAAB

Constellium

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Lightweight Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Lightweight Materials, with price, sales, revenue and global market share of Automotive Lightweight Materials from 2019 to 2024.

Chapter 3, the Automotive Lightweight Materials competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Lightweight Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automotive Lightweight Materials market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Lightweight Materials.

Chapter 14 and 15, to describe Automotive Lightweight Materials sales channel, distributors, customers, research findings and conclusion.

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