

Lightweight Materials Market by Type (Composites, Metals, Plastics), Application (Automotive, Aviation, Marine, Wind Energy) - Global Trends & Forecast to 2019

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Abstracts

Global lightweight materials market is driven by stringent regulations for increased fuel efficiency

The lightweight materials market is expected to grow exponentially in the next five years. Different governments across the world have been strengthening regulations for reduction of vehicular pollution. Lightweighting of vehicles enhances fuel efficiency. Hence, the lightweight materials market is set to witness high growth.

The report analyzes the global lightweight materials market trends and forecasts till 2019. The market size estimations have been provided in terms of market volume (KT) and value (\$million). The report also identifies major manufacturers of lightweight materials and provides analysis for each player in terms of company overview, financials, products and services offered and recent developments.

The global lightweight materials market is expected to grow at a CAGR of 8.5% from 2014 to 2019 and will reach a value of \$133.1 billion. The lightweight materials market has been segmented by type into composites, metals, and plastics, which have been further sub segmented. The market for lightweight metals is growing at a high rate followed by the plastics market. The demand has increased from vehicle manufacturers for lighter metals such as high strength steel and aluminum to substitute conventional materials without compromising the quality of the vehicles.

The high cost of certain lightweight materials such as of carbon fiber reinforced plastic

acts as a constraint for its increased utilization for replacement of other materials. In spite of the cost, the market for composites is expected to grow at a CAGR of 6.6% in terms of volume by 2019. The demand is driven due to the high strength and rigidity of this material that helps to ensure higher or same level of safety as provided by conventional consumed materials for manufacturing of vehicles and air planes.

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About

The lightweight materials market has been analyzed in terms of volume and value across different regions. The demand for materials that help reduce weight is expected to increase in all the regions. The lightweight materials market is driven by the need for enhanced efficiency.

The leading markets for lightweight materials are Asia-Pacific and North America. The market in China and the U.S. together accounted for XX% of the total market, in terms of volume, in 2013. These nations have the highest demand for lightweight materials, mainly from the automotive sector. The growing demand from the automotive sector and the stringent regulations for fuel efficiency are contributing to the growth of the lightweight materials market.

The lightweight materials market in Asia-Pacific was estimated at XX KT in 2013 and is projected to reach XX KT by 2019 growing at a CAGR XX% from 2014 to 2019, in terms of volume. The market in Asia-Pacific was estimated at \$XX million in 2013 and is projected to grow at a CAGR of XX% from 2014 to 2019 and reach \$XX million by 2019.

The Asia-Pacific region is expected to have the maximum growth driven by the increasing demand from the automotive and aviation industry. The region is expected to continue to dominate the lightweight materials market.

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