Global Automotive Lightweight Material Market Size, Share, Development, Growth and Demand Forecast to 2022

Description: The global automotive lightweight material market is witnessing significant growth, due to rapid increase in number of vehicles, increasing demand for improved vehicle performance, and government regulations and mandates. Moreover, the increasing demand for reducing harmful gases emission, fuel efficiency, and enhancing driving dynamics of vehicles is supporting the growth of the global automotive lightweight material market. The implementation of stringent environmental regulations across the globe is propelling the demand for lightweight materials. Several international organizations are framing strict guidelines and standards, in order to reduce the greenhouse gases emission. European and North American legislation in particular had formulated broad agendas towards the development of lightweight materials, in order to achieve target for reduced CO2 emission by 2025. Various developments across Asia-Pacific for reducing carbon emission has also increased. China is the biggest greenhouse gases emitter introducing new policies, which is expected to put a cap on carbon emission. In addition, other Asia-Pacific countries, such as India, Australia and Indonesia are also introducing new norms and regulation to mitigate climate change by reducing carbon emission. Overall these policies are being employed globally, and would lead to significant growth in the automotive lightweight industry. Among the various material types, the metal segment held the largest share in the global automotive lightweight material market in 2015, and it is anticipated to retain its dominance during the forecast period, due to the high dependence on high-strength steel and aluminum. The consumption of composite materials, in comparison to plastics and metals, for automotive lightweight materials is anticipated to witness the highest growth during 2016 - 2022, owing to their excellent mechanical and physical properties, along with high durability. Moreover, the structural application segment dominated the global market in 2015, and it is also anticipated to hold the highest share by 2022. The global automotive lightweight material market was estimated at $77.1 billion in 2015, and it is expected to grow at a CAGR of 14.0% during 2016 - 2022. North America accounted for the largest market of automotive lightweight material in the world, with 18,250.2 thousand tons of lightweight material consumed in 2015. The major reasons behind the growth of the market in the region include regulatory pressure by government to reduce CO2 emission, and strict fuel economy majors being adopted throughout North America. Europe is the second largest market in the global automotive lightweight material market. The European automotive lightweight material market is driven by the demand for better fuel economy and reduced CO2 emissions, in order to comply with EU legislation.

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