Aluminum Heat Shield Market By End-Use Industry (Automotive & Defense) And By Application (Passenger Cars, Light Commercial Vehicles, Heavy Trucks, Buses & Coaches, And Firearms) - Global Forecast To 2021

Description:
Aluminum heat shield is a type of heat shield which is designed to shield a component from absorbing excessive heat either by dissipating, reflecting or simply absorbing the heat. Aluminum based heat shield find applications in automotive and defense industries. In an automobile powered by an internal combustion engine, the exhaust system from the engine exhaust to the tailpipe is the biggest producer of heat after the engine itself. The surfaces of the parts that actually carry the exhaust gases can reach temperatures up to about 900°C. Since exhausts often pass near important (and thermally sensitive) components, it is especially important to protect the sensitive parts and modules from heat and also to prevent local overheating of the car body.

Aluminum heat shields are also used in firearms. They are affixed to semi-automatic or automatic rifles and shotguns as barrel shrouds to protect the user from the heat caused by firing shots in rapid succession. They have also often been affixed to pump-action combat shotguns, allowing the soldier to grasp the barrel while using a bayonet.

The major factors which are driving the demand for aluminum heat shield is the rise in vehicle production, rise in military expenditure, and rising demand for luxury vehicles. The factors which act as restraints in the aluminum heat shield market are the availability of substitutes and the emergence of battery driven vehicles. Advancement in technology due to continuous R&D activities by the major OEMs is the major factors boosting the aluminum heat shield market.

Asia-Pacific is the largest market for aluminum heat shield, followed by North America. Asia-Pacific accounted for 31.2% of the global aluminum heat shield market in 2015. The market in Western Europe is estimated to experience high growth with its market size estimated to grow from USD 130.6 million in 2016 to USD 165.8 million in 2021, at a CAGR of 4.9% during the forecast period.

Objectives Of The Study

- To define and segment the global aluminum heat shield market
- To identify the aluminum heat shield market dynamics
- To analyze and forecast the market size, by value and by end-use industry such as automotive and defense
- To analyze and forecast the market size of aluminum heat shield, by value, in various applications suas passenger cars, light vehicles, buses & coaches, heavy trucks, and firearms
- To analyze the market segmentation and forecast the market based on major regions - Western Europe, Central & Eastern Europe, Asia-Pacific, North America, South America, and Middle East & Africa
- To analyze and forecast the market size, by value, for the major countries in each of the regions
- To analyze recent developments such as facility & capacity expansion, partnership & collaboration, and new product development in the aluminum heat shield market

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