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

Contents:
1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Scope Of The Market
1.3.1 Markets Covered
1.3.2 Years Considered In The Report
1.3.3 Currency And Pricing
(Overview, Financials, Products & Services, Strategy, And Developments)*
9.1 Dana Holding Corporation
9.2 Federal Mogul Holding Corporation
9.3 Autoneum Holdings Ag
9.4 Lydall Inc.
9.5 Elringklinger Ag
9.6 Progress-Werk Oberkirch Ag
9.7 Thermotec Automotive Products
9.8 Zircotec Ltd
9.9 List Of Other Aluminum Heat Shield Manufacturers
*Details On Overview, Financials, Product & Services, Strategy, And Developments Might Not Be Captured In Case Of Unlisted Company

List Of Tables

Table 1 Thermal Conductivity Of Materials
Table 2 Aluminum Alloys Used In Aluminum Heat Shields
Table 3 Aluminum Heat Shield Market Segmentation, By Application
Table 4 Aluminum Heat Shield Market Segmentation, By End-Use Industry
Table 5 Vehicles In Use, By Region And Country, 2010-2014
Table 6 Military Expenditure By Country, 2016
Table 7 Australia: Economic Outlook
Table 8 Brazil: Economic Outlook
Table 9 Canada: Economic Outlook
Table 10 Chile: Economic Outlook
Table 11 China: Economic Outlook
Table 12 France: Economic Outlook
Table 13 Germany: Economic Outlook
Table 14 India: Economic Outlook
Table 15 Iran: Economic Outlook
Table 16 Italy: Economic Outlook
Table 17 Japan: Economic Outlook
Table 18 Mexico: Economic Outlook
Table 19 New Zealand: Economic Outlook
Table 20 Russia: Economic Outlook
Table 21 Saudi Arabia: Economic Outlook
Table 22 South Africa: Economic Outlook
Table 23 South Korea: Economic Outlook
Table 24 Thailand: Economic Outlook
Table 25 U.K.: Economic Outlook
Table 26 U.S.: Economic Outlook
Table 27 Aluminum Heat Shield Market Size, By End-Use Industry, 2014-2021 (USD Million)
Table 28 Aluminum Heat Shield Market Size In Automotive, By Region, 2014-2021 (USD Million)
Table 29 Aluminum Heat Shield Market Size In Defense, By Region, 2014-2021 (USD Million)
Table 30 Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 31 Aluminum Heat Shield Market Size In Passenger Cars, By Region, 2014-2021 (USD Million)
Table 32 Aluminum Heat Shield Market Size In Light Commercial Vehicles, By Region, 2014-2021 (USD Million)
Table 33 Aluminum Heat Shield Market Size In Heavy Trucks, By Region, 2014-2021 (USD Million)
Table 34 Aluminum Heat Shield Market Size In Buses & Coaches, By Region, 2014-2021 (USD Million)
Table 35 Aluminum Heat Shield Market Size In Firearms, By Region, 2014-2021 (USD Million)
Table 36 Aluminum Heat Shield Market Size, By Region, 2014-2021 (USD Million)
Table 37 Asia-Pacific: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 38 Asia-Pacific: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 39 North America: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 40 North America: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 41 Western Europe: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 42 Western Europe: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 43 Central & Eastern Europe: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 44 Central & Eastern Europe: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 45 South America: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 46 South America: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 47 The Middle East & Africa: Aluminum Heat Shield Market Size, By Application, 2014-2021 (USD Million)
Table 48 The Middle East & Africa: Aluminum Heat Shield Market Size, By Country, 2014-2021 (USD Million)
Table 49 Expansion, 2011 - 2015
Table 50 New Product Launch, 2011 - 2015
Table 51 Joint Venture/Agreement/Collaboration, 2011 - 2015
Table 52 Mergers & Acquisitions, 2011 - 2015
Table 53 Supply Contracts, 2011 - 2015

List Of Figures

Figure 1 Aluminum Heat Shield Market: Research Design
Figure 2 Market Size Estimation: Bottom-Up Approach
Figure 3 Market Size Estimation: Top-Down Approach
Figure 4 Market Breakdown And Data Triangulation
Figure 5 Automotive Industry Dominates The Aluminum Heat Shield Market
Figure 6 Heavy Trucks And Buses & Coaches To Be The Fastest-Growing Application Segments During Forecast Period
Figure 7 Asia-Pacific Dominates Aluminum Heat Shield Market, 2016 - 2021 (USD Million)
Figure 8 Aluminum Heat Shield Market, By Region
Figure 9 Vehicle Production Forecast: Key Countries
Figure 10 Major Value Addition Observed In Manufacturing Phase
Figure 11 Porter's Five Forces Analysis: Aluminum Heat Shield Market, 2016
Figure 12 Automotive Sector Dominates Heat Shield Market In 2016
Figure 13 Middle East & Africa Projected To Experience Highest Growth Rate Between 2016 And 2021
Figure 14 Middle East & Africa Expected To Experience Highest Growth In The Next Five Years (2016-2021)
Figure 15 Passenger Cars To Dominate The Global Aluminum Heat Shield Market (2016 Vs. 2021)
Figure 16 Middle East & Africa Expected To Experience Fastest Growth (2016 Vs. 2021)
Figure 17 North America Estimated To Be The Largest And The Fastest Growing Market (2016-2021)
Figure 18 Heavy Trucks Segment To Witness High Growth In North America (2016 Vs. 2021)
Figure 19 Asia-Pacific Estimated To Be The Largest Market (2016)
Figure 20 North America To Account For The Largest Market Share (2016)
Figure 21 Regional Snapshot (2016): High Growth Rate Estimated In Asia-Pacific And Western Europe
Figure 22 Central & Eastern Europe Aluminum Heat Shield Market, By End-Use Industry, 2016
Figure 23 Companies Primarily Adopted Organic Growth Strategies Between 2011-2015
Figure 24 Major Growth Strategies In The Aluminum Heat Shield Market, 2011 - 2015
Figure 25 Developments In The Global Aluminum Heat Shield Market, 2011 - 2015
Figure 26 Dana Holding Corporation: Company Snapshot
Figure 27 Dana Holding Corporation: Swot Analysis
Figure 28 Company Snapshot: Federal Mogul Holding Corporation
Figure 29 Federal Mogul Holding Corporation: Swot Analysis
Figure 30 Company Snapshot: Autoneum Holding Ag
Figure 31 Autoneum Holdings Ag: Swot Analysis
Figure 32 Company Snapshot: Lydall Inc.
Figure 33 Lydall Inc.: Swot Analysis
Figure 34 Company Snapshot: Elringklinger Ag
Figure 35 Elringklinger Ag: Swot Analysis
Figure 36 Company Snapshot: Progress-Werk Oberkirch Ag
Figure 37 Company Snapshot: Thermotec Automotive Products
Figure 38 Company Snapshot: Zircotec Ltd

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