

Automotive Heat Shield Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Engine Compartment, Exhaust Compartment, and Others), By Vehicle Type (Passenger Cars and Commercial Vehicle), By Demand Category (OEM's and Aftermarket), By Regional, Competition

<https://marketpublishers.com/r/A30D7972E8A9EN.html>

Date: October 2023

Pages: 182

Price: US\$ 4,900.00 (Single User License)

ID: A30D7972E8A9EN

Abstracts

Global Automotive Heat Shield Market has valued at USD 15 billion in 2022 and is anticipated to project robust growth in the forecast period with a CAGR of 3.8%. The Global Automotive Heat Shield Market is projected to experience a strong growth trajectory, primarily driven by continuous advancements in automotive technology and the growing demand for energy-efficient vehicles. In today's ever-evolving automotive landscape, heat shields play a critical role in reducing heat dissipation, thereby enhancing the overall efficiency of vehicles.

As environmental regulations become increasingly stringent and consumer awareness regarding fuel efficiency continues to improve, the demand for automotive heat shields is expected to witness a significant surge. Notably, emerging markets with rapidly growing automotive sectors are anticipated to be key contributors to this expansion.

However, it is important to acknowledge the challenges that this market faces. The high cost of advanced heat shields remains a concern for manufacturers and consumers alike. Additionally, the economic impact of the COVID-19 pandemic on the automotive industry has posed further obstacles to market growth.

Nevertheless, amidst these challenges, opportunities abound in the automotive heat

shield market. The increasing adoption of electric and hybrid vehicles holds immense potential and is poised to pave the way for further growth. These vehicles, with their unique heat dissipation requirements, are driving the demand for innovative heat shield solutions that can cater to their specific needs.

In conclusion, the Global Automotive Heat Shield Market is on a robust growth trajectory, fueled by the continuous advancements in automotive technology and the rising demand for energy-efficient vehicles. While challenges persist, opportunities prevail, and the market is poised for further expansion as it adapts to the evolving needs of the automotive industry.

Key Market Drivers

Stringent Emission Regulations

One of the primary drivers of the Automotive Heat Shield Market is the increasingly stringent emission regulations imposed by governments worldwide. These regulations aim to curb vehicle emissions, reduce air pollution, and combat climate change. To meet these stringent standards, automakers are adopting advanced engine and exhaust technologies that generate more heat. Heat shields are essential in managing this excess heat efficiently, ensuring that sensitive components, such as catalytic converters and emission control systems, operate at optimal temperatures. By preventing overheating, heat shields contribute to lower emissions and improved fuel efficiency, aligning with regulatory requirements.

The need for effective heat management solutions is driving the demand for innovative heat shields in the automotive industry. As emission standards continue to evolve, heat shields will play a critical role in helping automakers meet these requirements while maintaining vehicle performance.

Increasing Adoption of Electric Vehicles (EVs)

The global shift towards electric vehicles is another significant driver of the Automotive Heat Shield Market. Unlike traditional internal combustion engine (ICE) vehicles, electric vehicles have unique heat management challenges, primarily related to their battery systems and power electronics. EVs require efficient cooling and heat dissipation to ensure the safety and longevity of lithium-ion batteries, which are sensitive to high temperatures. Heat shields in EVs are used to protect batteries from excessive heat, maintain optimal operating temperatures, and prevent thermal runaway events. As the

demand for EVs continues to grow, the need for effective heat shield solutions in battery compartments and powertrains rises in tandem.

The adoption of electric vehicles presents an opportunity for heat shield manufacturers to provide specialized solutions designed to meet the specific thermal management needs of EVs. As the EV market expands, heat shield technology will play a pivotal role in enhancing battery safety and overall vehicle performance.

Advanced Engine Technologies

Automotive manufacturers are continuously developing advanced engine technologies to meet consumer demands for improved performance and fuel efficiency. These technologies, including turbocharging and direct injection, often result in higher temperatures within the engine compartment. Effective heat management is essential to prevent overheating, component damage, and reduced engine efficiency. Heat shields are employed to isolate and dissipate heat away from critical engine components, ensuring their proper functioning and longevity.

The increasing adoption of advanced engine technologies across a wide range of vehicles drives the demand for heat shields. As automakers seek to balance performance and emission standards, heat management solutions become integral to achieving these objectives. Heat shield manufacturers must innovate to provide heat protection that aligns with the evolving engine designs and requirements.

Growth in Sports and Performance Vehicles

The popularity of sports and performance vehicles continues to rise, driven by consumer interest in high-performance driving experiences. These vehicles often feature powerful engines and exhaust systems that generate significant amounts of heat. Heat shields are essential components in sports and performance cars, as they ensure that engine components, exhaust systems, and other sensitive parts can withstand the extreme conditions associated with high-performance driving.

The demand for sports and performance vehicles, including sports cars, muscle cars, and high-performance SUVs, fuels the need for specialized heat shields. These shields must be designed to handle the elevated heat levels generated during aggressive driving, contributing to the overall performance and reliability of such vehicles.

Urbanization and Traffic Congestion

Rapid urbanization has led to increased traffic congestion in many cities worldwide. In congested urban environments, vehicles often encounter stop-and-go traffic, leading to prolonged engine idling and increased heat generation. Effective heat management solutions are crucial in preventing overheating and maintaining vehicle reliability in these challenging conditions.

Heat shields help protect engines and exhaust systems from the heat generated during traffic congestion. They play a vital role in ensuring that vehicles can endure the rigors of urban driving without experiencing heat-related issues. As urbanization continues, the demand for heat shields that enhance the durability of vehicles in congested traffic remains significant.

Technological Advancements in Heat Shield Materials

Key Driver: Advancements in materials science have led to the development of heat-resistant materials with improved performance characteristics. Modern heat shield materials offer superior heat dissipation and durability, allowing for more effective heat management in vehicles. These materials enhance the reliability and longevity of heat shields, contributing to their widespread adoption in the automotive industry.

Impact: The availability of advanced materials has revolutionized heat shield technology, enabling the design of lighter, more efficient, and longer-lasting heat shields. These materials provide automakers with options for optimizing heat management while minimizing weight and space requirements, resulting in improved vehicle performance and fuel efficiency.

Enhanced Vehicle Safety Requirements

Vehicle safety standards continue to evolve, with an increasing emphasis on protecting critical components from heat-related failures. Modern vehicles are equipped with various safety systems, including advanced driver-assistance systems (ADAS), that rely on stable operating temperatures. Heat shields play a crucial role in ensuring that these safety systems function as intended by preventing overheating and component damage.

The growing focus on vehicle safety necessitates the use of heat shields to maintain the reliability of safety-critical components. Heat shield technology ensures that sensitive electronics, sensors, and safety systems operate within their specified temperature ranges, contributing to overall vehicle safety and reliability.

Market Expansion into Emerging Regions

The automotive industry has expanded into emerging regions such as Asia-Pacific, where vehicle production and sales are experiencing rapid growth. This expansion has led to increased demand for heat management solutions in vehicles produced in these regions.

The globalization of the automotive industry has created opportunities for heat shield manufacturers to supply their products to emerging markets. The demand for reliable heat management solutions in vehicles manufactured in these regions offers growth potential for heat shield suppliers, provided they can meet local quality and regulatory requirements.

Key Market Challenges

Increasing Electrification and EV Batteries

As electric vehicles (EVs) gain popularity, the role of heat shields in these vehicles becomes even more critical. EVs rely on lithium-ion batteries that are sensitive to temperature variations. Managing heat in the battery compartment is essential to ensure safety and maintain battery efficiency. However, the unique design and requirements of EV battery packs present challenges in developing effective heat shield solutions.

Heat shield manufacturers must adapt to the specific needs of EVs by designing heat shields that effectively dissipate heat from the battery pack while considering factors like weight, space constraints, and thermal management. The growth of the EV market provides opportunities but also requires innovation to address these challenges effectively.

Lightweighting and Materials

Automotive manufacturers are continually striving to reduce vehicle weight to improve fuel efficiency and meet emissions standards. Lightweighting is a crucial trend that affects the materials used in vehicles, including heat shields. Developing heat shields that are both lightweight and highly efficient in heat management presents a considerable challenge.

Heat shield manufacturers must explore advanced materials, such as composite alloys,

ceramics, and high-strength steel, to create lightweight yet durable solutions. These materials need to maintain the shielding properties required while reducing overall vehicle weight.

Complex Exhaust Systems

Modern vehicles are equipped with increasingly complex exhaust systems, often incorporating multiple catalytic converters, particulate filters, and exhaust gas recirculation (EGR) components. Managing heat in these intricate systems is challenging due to space constraints and the need to optimize component placement for emissions control.

Developing heat shields that can efficiently manage heat in complex exhaust systems without obstructing the flow of exhaust gases is essential. Innovative designs and advanced materials are necessary to address these complexities effectively.

Evolving Emission Standards

Emission regulations continue to evolve globally, becoming stricter to combat environmental pollution and climate change. Meeting these stringent standards requires advanced emission control technologies, which can generate more heat in the exhaust system and engine compartment. Heat shields need to adapt to these changing requirements.

The challenge lies in developing heat shields that not only manage increased heat but also comply with evolving emission standards. Manufacturers must invest in research and development to create heat shields that align with the latest regulatory requirements while ensuring optimum engine and exhaust system performance.

Integration of ADAS and Autonomous Driving

Advanced driver-assistance systems (ADAS) and autonomous driving technologies are becoming more common in vehicles. These systems rely on various sensors, cameras, and radar systems that generate heat during operation. Managing the heat generated by these components while ensuring their optimal performance is a challenge.

Heat shield manufacturers must develop solutions that protect sensitive ADAS and autonomous driving components from overheating while allowing them to operate at peak efficiency. Effective thermal management within the vehicle's structure is vital to

address this challenge.

Technological Complexity

The automotive industry is evolving rapidly, with advancements in engine technologies, transmission systems, and exhaust systems. These advancements result in increased technological complexity, requiring heat shield solutions that can accommodate various components, including sensors, actuators, and advanced materials.

Heat shield manufacturers must keep pace with technological advancements by developing versatile solutions that can adapt to the evolving automotive landscape. This may involve creating modular heat shield designs that can accommodate different components and systems, providing flexibility to automakers.

Design Constraints and Space Limitations

Vehicle design constraints and limited space in engine compartments and exhaust systems can pose challenges in heat shield development. Heat shields must fit within these confined spaces while effectively managing heat and protecting nearby components.

Manufacturers need to engineer heat shields with precision to fit seamlessly within the available space. Innovative design techniques, such as 3D modeling and computational fluid dynamics (CFD) simulations, can help optimize heat shield configurations within tight spaces.

Noise, Vibration, and Harshness (NVH)

Heat shields can contribute to noise, vibration, and harshness (NVH) issues in vehicles if not properly designed and installed. NVH concerns can impact the overall driving experience and passenger comfort.

Heat shield manufacturers must focus on creating NVH-optimized solutions that minimize noise and vibration while effectively managing heat. Careful material selection, design refinement, and installation techniques are essential to address this challenge.

Cost Pressures

Cost pressures are a constant challenge in the automotive industry. Automakers seek

cost-effective solutions while maintaining high-quality standards. Heat shield manufacturers need to balance cost efficiency with the development of advanced and effective heat management solutions.

To remain competitive, heat shield manufacturers must optimize their production processes, reduce waste, and explore cost-effective sourcing of raw materials. Efficient manufacturing techniques and economies of scale can help mitigate cost pressures while maintaining profitability.

Environmental Concerns and Sustainability

Environmental concerns, including reducing carbon footprints and adopting sustainable practices, are growing in importance across industries, including automotive manufacturing. Heat shield manufacturers are under pressure to adopt sustainable manufacturing practices and use eco-friendly materials.

Developing sustainable heat shield solutions involves reducing waste in the manufacturing process, minimizing environmental impact, and exploring the use of recyclable materials. Meeting sustainability goals is crucial for maintaining industry credibility and competitiveness.

Key Market Trends

Electrification and Thermal Management in Electric Vehicles (EVs)

As the adoption of electric vehicles (EVs) continues to rise, the Automotive Heat Shield Market is witnessing a significant trend related to thermal management in electric drivetrains. Unlike traditional internal combustion engine (ICE) vehicles, EVs have unique heat management challenges, primarily associated with their battery systems. Lithium-ion batteries are sensitive to temperature variations, and maintaining the ideal operating temperature is crucial for safety and longevity. Effective thermal management, including the use of heat shields, is essential to ensure that EV batteries remain within the optimal temperature range.

The growth of the EV market presents a substantial opportunity for heat shield manufacturers to provide specialized solutions designed to meet the specific thermal management needs of electric vehicles. This trend includes the development of heat shields for battery compartments, electric motors, and power electronics, all aimed at enhancing the safety and performance of EVs.

Lightweighting and Advanced Materials

Lightweighting is a dominant trend in the automotive industry, driven by the pursuit of improved fuel efficiency and reduced emissions. Heat shields play a role in this trend as well, with manufacturers exploring advanced lightweight materials to replace traditional heavy metal heat shields. Composite alloys, ceramics, and high-strength steel are among the materials being employed to create lightweight yet durable heat shields.

The adoption of advanced lightweight materials in heat shield manufacturing not only contributes to weight reduction in vehicles but also enhances the overall efficiency of heat management. By reducing weight and maintaining durability, these materials are enabling automakers to meet stringent regulatory standards while improving vehicle performance.

Advanced Exhaust Systems and Emission Control

Modern vehicles are equipped with increasingly complex exhaust systems designed to meet stringent emission regulations. These systems often include multiple catalytic converters, particulate filters, and exhaust gas recirculation (EGR) components. Heat shields are crucial for managing heat within these intricate exhaust systems, where space constraints and optimized component placement are vital for effective emission control.

The trend toward advanced exhaust systems requires heat shield manufacturers to develop innovative solutions that can efficiently manage heat in complex exhaust configurations. This includes heat shields that are customized to accommodate various exhaust components while maintaining their effectiveness in preventing overheating and ensuring emission compliance.

Integration of Advanced Driver-Assistance Systems (ADAS)

The integration of advanced driver-assistance systems (ADAS) into vehicles is on the rise. These systems rely on various sensors, cameras, and radar components that generate heat during operation. Managing the heat generated by these sensitive ADAS components while ensuring their optimal performance is a critical trend in the Automotive Heat Shield Market.

Heat shield manufacturers must develop solutions that protect ADAS components from

overheating while allowing them to operate at peak efficiency. Effective thermal management within the vehicle's structure, such as integrated heat shields, is essential to address this challenge.

Technological Advancements in Heat Shield Design

Technological advancements in heat shield design are shaping the market. Manufacturers are utilizing advanced design techniques, including 3D modeling and computational fluid dynamics (CFD) simulations, to optimize heat shield configurations. These techniques enable precise engineering and the creation of highly efficient heat shields.

Advanced design methods help manufacturers create heat shields that not only provide excellent thermal protection but also fit seamlessly within the available space in engine compartments and exhaust systems. These innovations are crucial for enhancing the overall effectiveness and integration of heat shields in modern vehicles.

Noise, Vibration, and Harshness (NVH) Optimization

Heat shields can contribute to noise, vibration, and harshness (NVH) issues in vehicles if not properly designed and installed. NVH concerns can impact the overall driving experience and passenger comfort. As a result, there is a growing trend toward NVH-optimized heat shield solutions.

Heat shield manufacturers are focusing on creating NVH-optimized solutions that minimize noise and vibration while effectively managing heat. Careful material selection, design refinement, and installation techniques are essential to address this trend and enhance passenger comfort.

Increased Focus on Sustainable Practices

Environmental concerns and sustainability are gaining importance across industries, including automotive manufacturing. Heat shield manufacturers are under pressure to adopt sustainable manufacturing practices and use eco-friendly materials.

Developing sustainable heat shield solutions involves reducing waste in the manufacturing process, minimizing environmental impact, and exploring the use of recyclable and eco-friendly materials. Meeting sustainability goals is crucial for maintaining industry credibility and competitiveness.

Customization for Performance and Luxury Vehicles

Vehicle customization, particularly in the performance and luxury segments, is becoming more common. Consumers seek personalized vehicles with specific performance characteristics and aesthetics. This trend has led to the customization of heat shields to meet individual preferences and enhance the overall driving experience.

Heat shield manufacturers are offering customized solutions for performance and luxury vehicles, allowing consumers to select heat shield designs, materials, and finishes that align with their preferences. This trend enhances the vehicle's aesthetics while maintaining effective heat management.

Global Expansion and Supply Chain Optimization

The automotive industry's globalization has created opportunities for heat shield manufacturers to supply their products to emerging markets. Expanding into these regions requires optimizing supply chains and adapting to local quality and regulatory requirements.

The globalization of the automotive industry offers growth potential for heat shield suppliers, provided they can efficiently navigate supply chain complexities and meet regional standards. Expanding into emerging markets requires strategic planning and flexibility.

Segmental Insights

Type Insights

The global automotive heat shield market is witnessing a significant growth surge, largely driven by increased demand for vehicle efficiency and emission control. Heat shields, integral to thermal management in vehicles, help improve engine efficiency by reducing heat dissipation, thereby contributing to fuel economy and emissions reduction. The market growth is further propelled by rising vehicle production, advancements in heat shield technology, and stringent regulations regarding vehicle safety. However, high production costs and the shift towards electric vehicles, which require fewer heat shields, may pose challenges to market growth.

Vehicle Type Insights

The global Automotive Heat Shield market is categorized by a diverse range of vehicle types, including passenger cars, light commercial vehicles (LCVs), and heavy commercial vehicles (HCVs). Passenger cars, due to their high production volumes, lead the demand for Automotive Heat Shields. They are essential for protecting vehicle components from heat damage and reducing cabin heat, thereby enhancing vehicle performance and comfort. LCVs and HCVs, with their specific requirements for heat shields due to larger engine compartments and high-load carrying capacities, also contribute significantly to the market. The increasing focus on vehicle safety and efficiency is likely to propel the growth of the Automotive Heat Shield market across all vehicle types.

Regional Insights

In North America, the automotive heat shield market is experiencing significant growth, primarily driven by the robust automotive sector and stringent government regulations concerning vehicle safety. Europe follows closely, with demand propelled by the strong presence of luxury and sports car manufacturers who utilize advanced heat shield technologies. Emerging markets in Asia-Pacific, particularly China and India, present promising growth opportunities. Rapid urbanization, increasing disposable incomes, and growing automotive manufacturing industries contribute to the surging demand in these regions. However, the market in the Middle East and Africa is in its nascent stage, with potential for growth due to expanding automobile sectors.

Key Market Players

Dana Incorporated

Lydall Inc.

Elringklinger AG

Federal-Mogul Corporation

Morgan Advanced Materials

Autoneum Holding AG

Nichias Corporation

Talbros Automotive Components Ltd

Report Scope:

In this report, the Global Automotive Heat Shield Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Heat Shield Market, By Demand Category:

OEM's

Aftermarket

Automotive Heat Shield Market, By Type:

Engine Compartment

Exhaust Compartment

Other

Automotive Heat Shield Market, By Vehicle Type:

Passenger Cars

Commercial Vehicles

Automotive Heat Shield Market, By Region:

North America

United States

Canada

Mexico

Europe & CIS

Germany

Spain

France

Russia

Italy

United Kingdom

Belgium

Asia-Pacific

China

India

Japan

Indonesia

Thailand

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

Turkey

Iran

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Heat Shield Market.

Available Customizations:

Global Automotive Heat Shield Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. INTRODUCTION

- 1.1. Product Overview
- 1.2. Key Highlights of the Report
- 1.3. Market Coverage
- 1.4. Market Segments Covered
- 1.5. Research Tenure Considered

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Market Overview
- 3.2. Market Forecast
- 3.3. Key Regions
- 3.4. Key Segments

4. IMPACT OF COVID-19 ON GLOBAL AUTOMOTIVE HEAT SHIELD MARKET

5. VOICE OF CUSTOMER ANALYSIS

- 5.1. Brand Awareness
- 5.2. Brand Satisfaction
- 5.3. Factors Affecting Purchase Decision

6. GLOBAL AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

- 6.1. Market Size & Forecast
 - 6.1.1. By Volume & Value

6.2. Market Share & Forecast

6.2.1. By Type Market Share Analysis (Engine Compartment, Exhaust Compartment, and Other)

6.2.2. By Vehicle Type Market Share Analysis (Passenger Cars and Commercial Vehicle Types)

6.2.3. By Demand Category Market Share Analysis (OEM's and Aftermarket)

6.2.4. By Regional Market Share Analysis

6.2.4.1. Asia-Pacific Market Share Analysis

6.2.4.2. Europe & CIS Market Share Analysis

6.2.4.3. North America Market Share Analysis

6.2.4.4. South America Market Share Analysis

6.2.4.5. Middle East & Africa Market Share Analysis

6.2.5. By Company Market Share Analysis (Top 5 Companies, Others - By Value, 2022)

6.3. Global Automotive Heat Shield Market Mapping & Opportunity Assessment

6.3.1. By Type Market Mapping & Opportunity Assessment

6.3.2. By Vehicle Type Market Mapping & Opportunity Assessment

6.3.3. By Demand Category Market Mapping & Opportunity Assessment

6.3.4. By Regional Market Mapping & Opportunity Assessment

7. ASIA-PACIFIC AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Volume & Value

7.2. Market Share & Forecast

7.2.1. By Type Market Share Analysis

7.2.2. By Vehicle Type Market Share Analysis

7.2.3. By Demand Category Market Share Analysis

7.2.4. By Country Market Share Analysis

7.2.4.1. China Market Share Analysis

7.2.4.2. India Market Share Analysis

7.2.4.3. Japan Market Share Analysis

7.2.4.4. Indonesia Market Share Analysis

7.2.4.5. Thailand Market Share Analysis

7.2.4.6. South Korea Market Share Analysis

7.2.4.7. Australia Market Share Analysis

7.2.4.8. Rest of Asia-Pacific Market Share Analysis

7.3. Asia-Pacific: Country Analysis

7.3.1. China Automotive Heat Shield Market Outlook

- 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Volume & Value
- 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Type Market Share Analysis
 - 7.3.1.2.2. By Vehicle Type Market Share Analysis
 - 7.3.1.2.3. By Demand Category Market Share Analysis
- 7.3.2. India Automotive Heat Shield Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Volume & Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Type Market Share Analysis
 - 7.3.2.2.2. By Vehicle Type Market Share Analysis
 - 7.3.2.2.3. By Demand Category Market Share Analysis
- 7.3.3. Japan Automotive Heat Shield Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Volume & Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Type Market Share Analysis
 - 7.3.3.2.2. By Vehicle Type Market Share Analysis
 - 7.3.3.2.3. By Demand Category Market Share Analysis
- 7.3.4. Indonesia Automotive Heat Shield Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Volume & Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Type Market Share Analysis
 - 7.3.4.2.2. By Vehicle Type Market Share Analysis
 - 7.3.4.2.3. By Demand Category Market Share Analysis
- 7.3.5. Thailand Automotive Heat Shield Market Outlook
 - 7.3.5.1. Market Size & Forecast
 - 7.3.5.1.1. By Volume & Value
 - 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Type Market Share Analysis
 - 7.3.5.2.2. By Vehicle Type Market Share Analysis
 - 7.3.5.2.3. By Demand Category Market Share Analysis
- 7.3.6. South Korea Automotive Heat Shield Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Volume & Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Type Market Share Analysis

- 7.3.6.2.2. By Vehicle Type Market Share Analysis
- 7.3.6.2.3. By Demand Category Market Share Analysis
- 7.3.7. Australia Automotive Heat Shield Market Outlook
 - 7.3.7.1. Market Size & Forecast
 - 7.3.7.1.1. By Volume & Value
 - 7.3.7.2. Market Share & Forecast
 - 7.3.7.2.1. By Type Market Share Analysis
 - 7.3.7.2.2. By Vehicle Type Market Share Analysis
 - 7.3.7.2.3. By Demand Category Market Share Analysis

8. EUROPE & CIS AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Volume & Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Type Market Share Analysis
 - 8.2.2. By Vehicle Type Market Share Analysis
 - 8.2.3. By Demand Category Market Share Analysis
 - 8.2.4. By Country Market Share Analysis
 - 8.2.4.1. Germany Market Share Analysis
 - 8.2.4.2. Spain Market Share Analysis
 - 8.2.4.3. France Market Share Analysis
 - 8.2.4.4. Russia Market Share Analysis
 - 8.2.4.5. Italy Market Share Analysis
 - 8.2.4.6. United Kingdom Market Share Analysis
 - 8.2.4.7. Belgium Market Share Analysis
 - 8.2.4.8. Rest of Europe & CIS Market Share Analysis
- 8.3. Europe & CIS: Country Analysis
 - 8.3.1. Germany Automotive Heat Shield Market Outlook
 - 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Volume & Value
 - 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Type Market Share Analysis
 - 8.3.1.2.2. By Vehicle Type Market Share Analysis
 - 8.3.1.2.3. By Demand Category Market Share Analysis
 - 8.3.2. Spain Automotive Heat Shield Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Volume & Value
 - 8.3.2.2. Market Share & Forecast

- 8.3.2.2.1. By Type Market Share Analysis
- 8.3.2.2.2. By Vehicle Type Market Share Analysis
- 8.3.2.2.3. By Demand Category Market Share Analysis
- 8.3.3. France Automotive Heat Shield Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Volume & Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Type Market Share Analysis
 - 8.3.3.2.2. By Vehicle Type Market Share Analysis
 - 8.3.3.2.3. By Demand Category Market Share Analysis
- 8.3.4. Russia Automotive Heat Shield Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Volume & Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Type Market Share Analysis
 - 8.3.4.2.2. By Vehicle Type Market Share Analysis
 - 8.3.4.2.3. By Demand Category Market Share Analysis
- 8.3.5. Italy Automotive Heat Shield Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Volume & Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Type Market Share Analysis
 - 8.3.5.2.2. By Vehicle Type Market Share Analysis
 - 8.3.5.2.3. By Demand Category Market Share Analysis
- 8.3.6. United Kingdom Automotive Heat Shield Market Outlook
 - 8.3.6.1. Market Size & Forecast
 - 8.3.6.1.1. By Volume & Value
 - 8.3.6.2. Market Share & Forecast
 - 8.3.6.2.1. By Type Market Share Analysis
 - 8.3.6.2.2. By Vehicle Type Market Share Analysis
 - 8.3.6.2.3. By Demand Category Market Share Analysis
- 8.3.7. Belgium Automotive Heat Shield Market Outlook
 - 8.3.7.1. Market Size & Forecast
 - 8.3.7.1.1. By Volume & Value
 - 8.3.7.2. Market Share & Forecast
 - 8.3.7.2.1. By Type Market Share Analysis
 - 8.3.7.2.2. By Vehicle Type Market Share Analysis
 - 8.3.7.2.3. By Demand Category Market Share Analysis

9. NORTH AMERICA AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Volume & Value

9.2. Market Share & Forecast

9.2.1. By Type Market Share Analysis

9.2.2. By Vehicle Type Market Share Analysis

9.2.3. By Demand Category Market Share Analysis

9.2.4. By Country Market Share Analysis

9.2.4.1. United States Market Share Analysis

9.2.4.2. Mexico Market Share Analysis

9.2.4.3. Canada Market Share Analysis

9.3. North America: Country Analysis

9.3.1. United States Automotive Heat Shield Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Volume & Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Type Market Share Analysis

9.3.1.2.2. By Vehicle Type Market Share Analysis

9.3.1.2.3. By Demand Category Market Share Analysis

9.3.2. Mexico Automotive Heat Shield Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Volume & Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Type Market Share Analysis

9.3.2.2.2. By Vehicle Type Market Share Analysis

9.3.2.2.3. By Demand Category Market Share Analysis

9.3.3. Canada Automotive Heat Shield Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Volume & Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Type Market Share Analysis

9.3.3.2.2. By Vehicle Type Market Share Analysis

9.3.3.2.3. By Demand Category Market Share Analysis

10. SOUTH AMERICA AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Volume & Value

- 10.2. Market Share & Forecast
 - 10.2.1. By Type Market Share Analysis
 - 10.2.2. By Vehicle Type Market Share Analysis
 - 10.2.3. By Demand Category Market Share Analysis
 - 10.2.4. By Country Market Share Analysis
 - 10.2.4.1. Brazil Market Share Analysis
 - 10.2.4.2. Argentina Market Share Analysis
 - 10.2.4.3. Colombia Market Share Analysis
 - 10.2.4.4. Rest of South America Market Share Analysis
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Automotive Heat Shield Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Volume & Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Type Market Share Analysis
 - 10.3.1.2.2. By Vehicle Type Market Share Analysis
 - 10.3.1.2.3. By Demand Category Market Share Analysis
 - 10.3.2. Colombia Automotive Heat Shield Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Volume & Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Type Market Share Analysis
 - 10.3.2.2.2. By Vehicle Type Market Share Analysis
 - 10.3.2.2.3. By Demand Category Market Share Analysis
 - 10.3.3. Argentina Automotive Heat Shield Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Volume & Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Type Market Share Analysis
 - 10.3.3.2.2. By Vehicle Type Market Share Analysis
 - 10.3.3.2.3. By Demand Category Market Share Analysis

11. MIDDLE EAST & AFRICA AUTOMOTIVE HEAT SHIELD MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Volume & Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Type Market Share Analysis
 - 11.2.2. By Vehicle Type Market Share Analysis

- 11.2.3. By Demand Category Market Share Analysis
- 11.2.4. By Country Market Share Analysis
 - 11.2.4.1. Turkey Market Share Analysis
 - 11.2.4.2. Iran Market Share Analysis
 - 11.2.4.3. Saudi Arabia Market Share Analysis
 - 11.2.4.4. UAE Market Share Analysis
 - 11.2.4.5. Rest of Middle East & Africa Market Share Africa
- 11.3. Middle East & Africa: Country Analysis
 - 11.3.1. Turkey Automotive Heat Shield Market Outlook
 - 11.3.1.1. Market Size & Forecast
 - 11.3.1.1.1. By Volume & Value
 - 11.3.1.2. Market Share & Forecast
 - 11.3.1.2.1. By Type Market Share Analysis
 - 11.3.1.2.2. By Vehicle Type Market Share Analysis
 - 11.3.1.2.3. By Demand Category Market Share Analysis
 - 11.3.2. Iran Automotive Heat Shield Market Outlook
 - 11.3.2.1. Market Size & Forecast
 - 11.3.2.1.1. By Volume & Value
 - 11.3.2.2. Market Share & Forecast
 - 11.3.2.2.1. By Type Market Share Analysis
 - 11.3.2.2.2. By Vehicle Type Market Share Analysis
 - 11.3.2.2.3. By Demand Category Market Share Analysis
 - 11.3.3. Saudi Arabia Automotive Heat Shield Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Volume & Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Type Market Share Analysis
 - 11.3.3.2.2. By Vehicle Type Market Share Analysis
 - 11.3.3.2.3. By Demand Category Market Share Analysis
 - 11.3.4. UAE Automotive Heat Shield Market Outlook
 - 11.3.4.1. Market Size & Forecast
 - 11.3.4.1.1. By Volume & Value
 - 11.3.4.2. Market Share & Forecast
 - 11.3.4.2.1. By Type Market Share Analysis
 - 11.3.4.2.2. By Vehicle Type Market Share Analysis
 - 11.3.4.2.3. By Demand Category Market Share Analysis

12. SWOT ANALYSIS

- 12.1. Strength
- 12.2. Weakness
- 12.3. Opportunities
- 12.4. Threats

13. MARKET DYNAMICS

- 13.1. Market Drivers
- 13.2. Market Challenges

14. MARKET TRENDS AND DEVELOPMENTS

15. COMPETITIVE LANDSCAPE

- 15.1. Company Profiles (Up to 10 Major Companies)
 - 15.1.1. Dana Incorporated
 - 15.1.1.1. Company Details
 - 15.1.1.2. Key Product Offered
 - 15.1.1.3. Financials (As Per Availability)
 - 15.1.1.4. Recent Developments
 - 15.1.1.5. Key Management Personnel
 - 15.1.2. Lydall Inc.
 - 15.1.2.1. Company Details
 - 15.1.2.2. Key Product Offered
 - 15.1.2.3. Financials (As Per Availability)
 - 15.1.2.4. Recent Developments
 - 15.1.2.5. Key Management Personnel
 - 15.1.3. Elringklinger AG
 - 15.1.3.1. Company Details
 - 15.1.3.2. Key Product Offered
 - 15.1.3.3. Financials (As Per Availability)
 - 15.1.3.4. Recent Developments
 - 15.1.3.5. Key Management Personnel
 - 15.1.4. Federal-Mogul Corporation
 - 15.1.4.1. Company Details
 - 15.1.4.2. Key Product Offered
 - 15.1.4.3. Financials (As Per Availability)
 - 15.1.4.4. Recent Developments
 - 15.1.4.5. Key Management Personnel

- 15.1.5. Morgan Advanced Materials
 - 15.1.5.1. Company Details
 - 15.1.5.2. Key Product Offered
 - 15.1.5.3. Financials (As Per Availability)
 - 15.1.5.4. Recent Developments
 - 15.1.5.5. Key Management Personnel
- 15.1.6. Autoneum Holding AG
 - 15.1.6.1. Company Details
 - 15.1.6.2. Key Product Offered
 - 15.1.6.3. Financials (As Per Availability)
 - 15.1.6.4. Recent Developments
 - 15.1.6.5. Key Management Personnel
- 15.1.7. Nichias Corporation
 - 15.1.7.1. Company Details
 - 15.1.7.2. Key Product Offered
 - 15.1.7.3. Financials (As Per Availability)
 - 15.1.7.4. Recent Developments
 - 15.1.7.5. Key Management Personnel
- 15.1.8. Talbros Automotive Components Ltd
 - 15.1.8.1. Company Details
 - 15.1.8.2. Key Product Offered
 - 15.1.8.3. Financials (As Per Availability)
 - 15.1.8.4. Recent Developments
 - 15.1.8.5. Key Management Personnel

16. STRATEGIC RECOMMENDATIONS

- 16.1. Key Focus Areas
 - 16.1.1. Target Regions & Countries
 - 16.1.2. Target By Vehicle Type
 - 16.1.3. Target By Type

17. ABOUT US & DISCLAIMER

I would like to order

Product name: Automotive Heat Shield Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Type (Engine Compartment, Exhaust Compartment, and Others), By Vehicle Type (Passenger Cars and Commercial Vehicle), By Demand Category (OEM's and Aftermarket), By Regional, Competition

Product link: <https://marketpublishers.com/r/A30D7972E8A9EN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A30D7972E8A9EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970