

Automotive Ceramics Market Size, Share & Trends Analysis Report By Application (Passenger, Commercial Vehicles), By Material (Alumina, Zirconia), By Region (North America, APAC), And Segment Forecasts, 2020 - 2027

<https://marketpublishers.com/r/AFB8E607B887EN.html>

Date: June 2020

Pages: 112

Price: US\$ 5,950.00 (Single User License)

ID: AFB8E607B887EN

Abstracts

Automotive Ceramics Market Growth & Trends

The global automotive ceramics market size is expected to reach USD 2.9 billion by 2027 registering a CAGR of 5.6%, according to a new report by Grand View Research, Inc. Stringent regulations for environmental protection are likely to remain a key growth driving factor for the market.

Governments of various countries are ensuring stringent emission standards to curb air pollution. Automakers around the world are under pressure to reduce the weight of the manufactured vehicles to improve fuel efficiency. This is likely to boost the demand for lightweight materials, such as aluminum, ceramics, and plastics.

Indian government recently announced BS VI emission standards, which are in line with European standards. These emission standards are effective from April 1, 2020. This is likely to attract investments in R&D and demand for lightweight materials over the coming years. As per these norms, petrol-based vehicles are projected to observe a 25% reduction in their NOx.

Growing requirements for safety and quality of materials used in auto manufacturing is another factor projected to assist in the demand for automotive ceramics products. In order to improve the performance of vehicles, companies are focusing on the development of more efficient engines. Advanced ceramics have the potential to

replace some small metal parts to reduce the overall weight of the vehicle. It provides advantages, such as high strength, low density, and coefficient of friction and high wear resistance.

Increasing demand for vehicles in Europe and North America is projected to assist in the growth of the market over the coming years. Germany owing to its close association with luxurious brands, such as BMW, Mercedes, and Audi, is likely to have medium to high growth prospects over the long term.

However, recent outbreak of COVID-19 in the first quarter of 2020 has affected the product demand as governments of various countries have started lockdown for all the non-essential businesses across the world. As per the European Automobile Manufacturers Association, the outbreak of COVID-19 has resulted in nearly 14.6 million vehicles in production loss.

Automotive Ceramics Market Report Highlights

Alumina was the largest material segment and accounted for a market share of 40.3% in 2019. Chemical and heat resistance of alumina drive its demand in applications, such as engines and fuel injectors

Passenger vehicles segment is projected to grow at the fastest CAGR of 5.8% from 2020 to 2027 due to increasing sales of SUV vehicles

Asia Pacific is likely to witness the fastest growth over the coming years. Large-scale production of automotive and growing population along with availability of low-cost labor and raw materials are the key growth drivers

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market segmentation & scope
- 1.2. Market definition
- 1.3. Information procurement
 - 1.3.1. Purchased database
 - 1.3.2. GVR's internal database
 - 1.3.3. Secondary sources & third-party perspectives
 - 1.3.4. Primary research
- 1.4. Information Analysis
 - 1.4.1. Data analysis models
- 1.5. Market formulation & data visualization
- 1.6. Data validation & publishing

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market snapshot
- 2.2. Segmental outlook

CHAPTER 3. AUTOMOTIVE CERAMICS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market outlook - Global steel industry outlook
- 3.2. Penetration & growth prospect mapping
- 3.3. Industry value chain analysis
 - 3.3.1. Raw material trends
 - 3.3.2. Manufacturing & technology trends
 - 3.3.3. Sales channel analysis
- 3.4. Regularity framework
- 3.5. Market Dynamics
 - 3.5.1. Market driver analysis
 - 3.5.1.1. Growing demand in electric vehicles
 - 3.5.2. Market restraint analysis
 - 3.5.2.1. Outspread of COVID-19 across various countries
 - 3.5.3. Industry challenges
- 3.6. Business environment analysis: Automotive ceramics market
 - 3.6.1. Industry analysis - Porter's
 - 3.6.2. PESTEL analysis

CHAPTER 4. AUTOMOTIVE CERAMICS MARKET: MATERIAL ESTIMATES & TREND ANALYSIS

- 4.1. Definition & scope
- 4.2. Material movement analysis & market share, 2019 & 2027
- 4.3. Market size & forecasts and trend analysis, 2016 to 2027
 - 4.3.1. Alumina
 - 4.3.1.1. Market estimates & forecasts, 2016 - 2027 (USD Million)
 - 4.3.2. Zirconia
 - 4.3.2.1. Market estimates & forecasts, 2016 - 2027 (USD Million)
 - 4.3.3. Others
 - 4.3.3.1. Market estimates & forecasts, 2016 - 2027 (USD Million)

CHAPTER 5. AUTOMOTIVE CERAMICS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 5.1. Definition & scope
- 5.2. Application movement analysis & market share, 2019 & 2027
- 5.3. Market size & forecasts and trend analysis, 2016 to 2027
 - 5.3.1. Passenger vehicles
 - 5.3.1.1. Market estimates & forecasts, 2016 - 2027 (USD Million)
 - 5.3.2. Commercial vehicles
 - 5.3.2.1. Market estimates & forecasts, 2016 - 2027 (USD Million)

CHAPTER 6. AUTOMOTIVE CERAMICS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

- 6.1. Regional market snapshot
- 6.2. North America
 - 6.2.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
 - 6.2.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
 - 6.2.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)
 - 6.2.4. U.S.
 - 6.2.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
 - 6.2.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
 - 6.2.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)
 - 6.2.5. Canada
 - 6.2.5.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.2.5.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.2.5.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.3. Europe

6.3.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.3.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.3.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.3.4. Germany

6.3.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.3.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.3.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.3.5. France

6.3.5.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.3.5.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.3.5.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.3.6. U.K.

6.3.6.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.3.6.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.3.6.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.3.7. Russia

6.3.7.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.3.7.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.3.7.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.4. Asia Pacific

6.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.4.4. China

6.4.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.4.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.4.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.4.5. India

6.4.5.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.4.5.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.4.5.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.4.6. Japan

6.4.6.1. Market estimates and forecasts, 2016 - 2027 (USD Million)

6.4.6.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)

6.4.6.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.4.7. South Korea

- 6.4.7.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
- 6.4.7.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- 6.4.7.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.5. Central & South America

- 6.5.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
- 6.5.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- 6.5.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- 6.5.4. Brazil
 - 6.5.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
 - 6.5.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
 - 6.5.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

6.6. Middle East & Africa

- 6.6.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
- 6.6.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- 6.6.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- 6.6.4. Iran
 - 6.6.4.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
 - 6.6.4.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
 - 6.6.4.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- 6.6.5. South Africa
 - 6.6.5.1. Market estimates and forecasts, 2016 - 2027 (USD Million)
 - 6.6.5.2. Market estimates and forecasts, by material, 2016 - 2027 (USD Million)
 - 6.6.5.3. Market estimates and forecasts, by application, 2016 - 2027 (USD Million)

CHAPTER 7. AUTOMOTIVE CERAMICS MARKET - COMPETITIVE ANALYSIS

- 7.1. Key global players & recent developments & their impact on the industry
- 7.2. Vendor landscape
 - 7.2.1. List of key suppliers
 - 7.2.2. List of key end users
- 7.3. SWOT analysis (for top 3 public companies)

CHAPTER 8. COMPANY PROFILES

- 8.1. Kyocera
 - 8.1.1. Company overview
 - 8.1.2. Financial performance
 - 8.1.3. Product benchmarking
 - 8.1.4. Strategic initiatives

8.2. Morgan Advanced Materials

- 8.2.1. Company overview
- 8.2.2. Financial performance
- 8.2.3. Product benchmarking
- 8.2.4. Strategic initiatives

8.3. NGP Spark Plug

- 8.3.1. Company overview
- 8.3.2. Financial performance
- 8.3.3. Product benchmarking
- 8.3.4. Strategic initiatives

8.4. CeramTec

- 8.4.1. Company overview
- 8.4.2. Financial performance
- 8.4.3. Product benchmarking
- 8.4.4. Strategic initiatives

8.5. CoorsTek

- 8.5.1. Company overview
- 8.5.2. Financial performance
- 8.5.3. Product benchmarking
- 8.5.4. Strategic initiatives

8.6. Saint Gobain Ceramic Materials

- 8.6.1. Company overview
- 8.6.2. Financial performance
- 8.6.3. Product benchmarking
- 8.6.4. Strategic initiatives

8.7. IBIDEN

- 8.7.1. Company overview
- 8.7.2. Financial performance
- 8.7.3. Product benchmarking
- 8.7.4. Strategic initiatives

8.8. Corning

- 8.8.1. Company overview
- 8.8.2. Financial performance
- 8.8.3. Product benchmarking
- 8.8.4. Strategic initiatives

8.9. Ceradyne

- 8.9.1. Company overview
- 8.9.2. Financial performance
- 8.9.3. Product benchmarking

8.9.4. Strategic initiatives

8.10. Elan Technology

8.10.1. Company overview

8.10.2. Financial performance

8.10.3. Product benchmarking

8.10.4. Strategic initiatives

List Of Tables

LIST OF TABLES

- Table 1. Automotive ceramics market estimates and forecasts, by alumina 2016 - 2027 (USD Million)
- Table 2. Medium automotive ceramics market estimates and forecasts, by zirconia 2016 - 2027 (USD Million)
- Table 3. High automotive ceramics market estimates and forecasts, by other materials, 2016 - 2027 (USD Million)
- Table 4. High automotive ceramics market estimates and forecasts, in commercial vehicles, 2016 - 2027 (USD Million)
- Table 5. Automotive ceramics market estimates and forecasts, in passenger vehicles, 2016 - 2027 (USD Million)
- Table 6. North America automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)
- Table 7. North America automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- Table 8. North America automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- Table 9. U.S. automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)
- Table 10. U.S. automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- Table 11. U.S. automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- Table 12. Canada automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)
- Table 13. Canada automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- Table 14. Canada automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- Table 15. Europe automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)
- Table 16. Europe automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)
- Table 17. Europe automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)
- Table 18. Germany automotive ceramics market estimates and forecasts, 2016 - 2027

(USD Million)

Table 19. Germany automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 20. Germany automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 21. France automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 22. France automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 23. France automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 24. U.K. automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 25. U.K. automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 26. U.K. automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 27. Russia automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 28. Russia automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 29. Russia automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 30. Asia Pacific automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 31. Asia Pacific automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 32. Asia Pacific automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 33. China automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 34. China automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 35. China automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 36. India automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 37. India automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 38. India automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 39. Japan automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 40. Japan automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 41. Japan automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 42. South Korea automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 43. South Korea automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 44. South Korea automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 45. Central & South America automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 46. Central & South America automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 47. Central & South America automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 48. Brazil automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 49. Brazil automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 50. Brazil automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 51. Middle East & Africa automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 52. Middle East & Africa automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 53. Middle East & Africa automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 54. Iran automotive ceramics market estimates and forecasts, 2016 - 2027 (USD Million)

Table 55. Iran automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 56. Iran automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

Table 57. South Africa automotive ceramics market estimates and forecasts, 2016 -

2027 (USD Million)

Table 58. South Africa automotive ceramics market estimates and forecasts, by material, 2016 - 2027 (USD Million)

Table 59. South Africa automotive ceramics market estimates and forecasts, by application, 2016 - 2027 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Automotive ceramics market segmentation
- Fig. 2 Information procurement
- Fig. 3 Data analysis models
- Fig. 4 Market formulation and validation
- Fig. 5 Data validating & publishing
- Fig. 6 Segmental outlook
- Fig. 7 Market outlook
- Fig. 8 Penetration & growth prospect mapping
- Fig. 9 Value chain analysis
- Fig. 10 Market driver analysis
- Fig. 11 Market restraint analysis
- Fig. 12 Porter's analysis
- Fig. 13 PESTEL analysis
- Fig. 14 Automotive ceramics market: Material movement analysis, 2019 & 2027
- Fig. 15 Automotive ceramics market: Application movement analysis, 2019 & 2027
- Fig. 16 Regional snapshot
- Fig. 17 Automotive ceramics market: Regional movement analysis, 2019 & 2027
- Fig. 18 SWOT analysis

I would like to order

Product name: Automotive Ceramics Market Size, Share & Trends Analysis Report By Application (Passenger, Commercial Vehicles), By Material (Alumina, Zirconia), By Region (North America, APAC), And Segment Forecasts, 2020 - 2027

Product link: <https://marketpublishers.com/r/AFB8E607B887EN.html>

Price: US\$ 5,950.00 (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/AFB8E607B887EN.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