

# **Electronic Ceramics Market Report by Material (Alumina, Zirconia, Silica, and Others), Application (Capacitors, Data Storage Devices, Optoelectronic Devices, Actuators and Sensors, Power Distribution Devices, and Others), End User (Electronics, Automobile, Medical, Aerospace and Defense, and Others), and Region 2024-2032**

<https://marketpublishers.com/r/EEAAF70A9352EN.html>

Date: July 2024

Pages: 135

Price: US\$ 3,899.00 (Single User License)

ID: EEAAF70A9352EN

## **Abstracts**

The global electronic ceramics market size reached US\$ 13.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 20.8 Billion by 2032, exhibiting a growth rate (CAGR) of 5% during 2024-2032.

Electronic ceramics refer to materials that are primarily used for performing electronic functions for a particular application. Ferroelectric, piezoceramics, dielectric and conductive are some of the commonly available types of electro ceramics. They consist of ferrite-based permanent magnets and circuit devices that generate an electrical charge when pressure is applied under an electric field. They are widely used in electrical, optical, and magnetic applications. Radio-frequency identification (RFID), microelectromechanical systems (MEMs), multilayer ceramic capacitors (MLCCs), noise filters, sensors, and actuators are some of the components made of electro ceramics. As compared to traditional materials, electronic ceramic products exhibit enhanced electrical conductivity, higher strength, thermal and corrosion stability, and improved wear and chemical resistance. As a result, they are widely used across automotive, healthcare, telecommunication and electronic industries.

**Electronic Ceramics Market Trends:**

The significant growth in the aerospace industry across the globe is creating a positive

outlook for the market. In line with this, electronic ceramics are used in sensors, lighting, high-intensity discharge lamps, light-emitting diodes (LEDs), laser lighting systems and antenna components of unpowered gliders and sailplanes, unmanned aerial vehicles (UAVs), and lighter-than-air crafts. Additionally, the widespread product incorporation in different consumer electronics, such as cell phones, computers and controllers for signal reception and voice transmission purposes, is favoring the market growth. Apart from this, the introduction of lightweight and high-performance electronic ceramics that exhibit greater density, thermal shock resistance, toughness, hardness, and chemical and wear resistance, are providing an impetus to the market growth. Moreover, the increasing utilization of electronic ceramics in diagnostic imaging and robotic surgical tools that need precision functionality is positively impacting the market growth. Other factors, including the increasing product demand in the automotive sector, are anticipated to drive the market further toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global electronic ceramics market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on material, application and end user.

#### Breakup by Material:

- Alumina
- Zirconia
- Silica
- Others

#### Breakup by Application:

- Capacitors
- Data Storage Devices
- Optoelectronic Devices
- Actuators and Sensors
- Power Distribution Devices
- Others

#### Breakup by End User:

- Electronics

Automobile  
Medical  
Aerospace and Defense  
Others

#### Breakup by Region:

North America  
United States  
Canada  
Asia-Pacific  
China  
Japan  
India  
South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others  
Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Almatiss GmbH, American Elements, APC International Ltd., Central Electronics Limited, CeramTec GmbH, Compagnie de Saint-Gobain S.A., CoorsTek Inc., Ferro Corporation, Ishihara Sangyo Kaisha Ltd., Noritake Co. Limited, Physik Instrumente (PI) GmbH & Co. KG., Sensor Technology Ltd. and Venator Materials PLC (Huntsman Corporation).

## Key Questions Answered in This Report

1. What was the size of the global electronic ceramics market in 2023?
2. What is the expected growth rate of the global electronic ceramics market during 2024-2032?
3. What are the key factors driving the global electronic ceramics market?
4. What has been the impact of COVID-19 on the global electronic ceramics market?
5. What is the breakup of the global electronic ceramics market based on the material?
6. What is the breakup of the global electronic ceramics market based on the application?
7. What is the breakup of the global electronic ceramics market based on the end user?
8. What are the key regions in the global electronic ceramics market?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL ELECTRONIC CERAMICS MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY MATERIAL**

- 6.1 Alumina
  - 6.1.1 Market Trends
  - 6.1.2 Market Forecast
- 6.2 Zirconia
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 6.3 Silica

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Others
  - 6.4.1 Market Trends
  - 6.4.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Capacitors
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Data Storage Devices
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Optoelectronic Devices
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Actuators and Sensors
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast
- 7.5 Power Distribution Devices
  - 7.5.1 Market Trends
  - 7.5.2 Market Forecast
- 7.6 Others
  - 7.6.1 Market Trends
  - 7.6.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Electronics
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Automobile
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Medical
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Aerospace and Defense

- 8.4.1 Market Trends
- 8.4.2 Market Forecast
- 8.5 Others
  - 8.5.1 Market Trends
  - 8.5.2 Market Forecast

## **9 MARKET BREAKUP BY REGION**

- 9.1 North America
  - 9.1.1 United States
    - 9.1.1.1 Market Trends
    - 9.1.1.2 Market Forecast
  - 9.1.2 Canada
    - 9.1.2.1 Market Trends
    - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
  - 9.2.1 China
    - 9.2.1.1 Market Trends
    - 9.2.1.2 Market Forecast
  - 9.2.2 Japan
    - 9.2.2.1 Market Trends
    - 9.2.2.2 Market Forecast
  - 9.2.3 India
    - 9.2.3.1 Market Trends
    - 9.2.3.2 Market Forecast
  - 9.2.4 South Korea
    - 9.2.4.1 Market Trends
    - 9.2.4.2 Market Forecast
  - 9.2.5 Australia
    - 9.2.5.1 Market Trends
    - 9.2.5.2 Market Forecast
  - 9.2.6 Indonesia
    - 9.2.6.1 Market Trends
    - 9.2.6.2 Market Forecast
  - 9.2.7 Others
    - 9.2.7.1 Market Trends
    - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany

- 9.3.1.1 Market Trends
- 9.3.1.2 Market Forecast
- 9.3.2 France
  - 9.3.2.1 Market Trends
  - 9.3.2.2 Market Forecast
- 9.3.3 United Kingdom
  - 9.3.3.1 Market Trends
  - 9.3.3.2 Market Forecast
- 9.3.4 Italy
  - 9.3.4.1 Market Trends
  - 9.3.4.2 Market Forecast
- 9.3.5 Spain
  - 9.3.5.1 Market Trends
  - 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths



10.3 Weaknesses

10.4 Opportunities

10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 Almatiss GmbH

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 American Elements

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 APC International Ltd.

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 Central Electronics Limited

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.5 CeramTec GmbH

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.6 Compagnie de Saint-Gobain S.A.

14.3.6.1 Company Overview

- 14.3.6.2 Product Portfolio
- 14.3.6.3 Financials
- 14.3.6.4 SWOT Analysis
- 14.3.7 CoorsTek Inc.
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
- 14.3.8 Ferro Corporation
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 Financials
  - 14.3.8.4 SWOT Analysis
- 14.3.9 Ishihara Sangyo Kaisha Ltd.
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
  - 14.3.9.4 SWOT Analysis
- 14.3.10 Noritake Co. Limited
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
- 14.3.11 Physik Instrumente (PI) GmbH & Co. KG.
  - 14.3.11.1 Company Overview
  - 14.3.11.2 Product Portfolio
- 14.3.12 Sensor Technology Ltd.
  - 14.3.12.1 Company Overview
  - 14.3.12.2 Product Portfolio
- 14.3.13 Venator Materials PLC (Huntsman Corporation)
  - 14.3.13.1 Company Overview
  - 14.3.13.2 Product Portfolio
  - 14.3.13.3 Financials

## I would like to order

Product name: Electronic Ceramics Market Report by Material (Alumina, Zirconia, Silica, and Others), Application (Capacitors, Data Storage Devices, Optoelectronic Devices, Actuators and Sensors, Power Distribution Devices, and Others), End User (Electronics, Automobile, Medical, Aerospace and Defense, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/EEAAF70A9352EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/EEAAF70A9352EN.html>