

Glass Ceramics Market Report by Composition (Lithium-Aluminium-Silicate (LAS), Zinc-Aluminium-Silicon Oxides (ZAS), Magnesium-Aluminium-Silicon Oxides (MAS), and Others), Application (Building and Construction, Electrical and Electronics, Healthcare, Aerospace, Optical, and Others), and Region 2024-2032

Market Report | 2024-04-08 | 136 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

Report description:

The global glass ceramics market size reached US\$ 1.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 2.3 Billion by 2032, exhibiting a growth rate (CAGR) of 4.2% during 2024-2032. The escalating product demand in the building and construction industry, considerable growth in the semiconductors industry, and the increasing sales of glass-ceramics-based kitchen appliances represent some of the key factors driving the market.

Glass ceramics refer to materials composed of fine-grained polycrystalline materials formed by heat-treating glasses to a lower energy, crystallized state. Combining glass and polycrystalline ceramics, these materials are fabricated from polycrystalline materials that have fine microstructures through the crystallization of glass. These ceramics are formed by partially crystallized glasses with distinct crystalline and amorphous phases, and they are almost non-expansive over a considerable temperature range, while also reducing noise. In addition to exhibiting properties, such as abrasion resistance and high mechanical strength, glass ceramics can withstand harsh conditions, such as erosion, rain, and wind. In addition to their high strength, zero porosity and transparency, glass ceramics are chemically inert, making them highly thermally stable. Compared to their conventional counterparts, glass ceramics are robust and transfer heat more efficiently.

Glass Ceramics Market Trends:

The escalating demand for glass ceramics in the building and construction industry is a significant factor for the market growth. This can be attributed to the considerable expansion of construction activities across the globe. In line with this, the growing adoption of glass ceramics in the manufacturing of semiconductor appliances is also providing an impetus to the market. Besides

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

this, rapid product utilization in the production of antennas for mobiles and Wi-Fi applications is also resulting in a higher product uptake. Moreover, the augmenting demand for glass ceramics in numerous orthopedic applications, such as spinal restoration in intervertebral spaces, is also creating a positive outlook for the market. The market is further propelled by considerable growth in the aerospace and defense industry resulting in an increased requirement for high-end aircraft and missiles. Apart from this, a significant rise in the sales of glass-ceramics-based cooktops, stoves, bakeware, microwave and fireplace doors is creating lucrative opportunities in the market on the global level. Extensive research and development (R&D) activities conducted by the key players focusing on advanced bioactive glass ceramics for bone and musculoskeletal tissue engineering and ongoing clinical trials in the medical industry are further fueling the market. Some of the other factors contributing to the market include rapid urbanization and industrialization, inflating disposable income levels, and continual product innovations.

Key Market Segmentation:

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

Composition Insights:

- Lithium-Aluminium-Silicate (LAS)
- Zinc-Aluminium-Silicon Oxides (ZAS)
- Magnesium-Aluminium-Silicon Oxides (MAS)
- Others

The report has provided a detailed breakup and analysis of the glass ceramics market based on the composition. This includes lithium-aluminium-silicate (LAS), zinc-aluminium-silicon oxides (ZAS), magnesium-aluminium-silicon oxides (MAS), and others. According to the report, lithium-aluminium-silicate (LAS) represented the largest segment.

Application Insights:

- Building and Construction
- Electrical and Electronics
- Healthcare
- Aerospace
- Optical
- Others

A detailed breakup and analysis of the glass ceramics market based on the application has also been provided in the report. This includes building and construction, electrical and electronics, healthcare, aerospace, optical, and others. According to the report, building and construction accounted for the largest market share.

Regional Insights:

- North America
 - United States
 - Canada
- Asia Pacific
 - China
 - Japan

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets that include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and Middle East and Africa. According to the report, Asia Pacific was the largest market for glass ceramics. Some of the factors driving the Asia Pacific glass ceramics market include rapid urbanization, presence of several key players, considerable growth in the aerospace and defense industry, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global glass ceramics market. Detailed profiles of all major companies have also been provided. Some of the companies covered include AGC Inc., CoorsTek Inc., Corning Incorporated, Kyocera Corporation, Morgan Advanced Materials plc, Nippon Electric Glass Co. Ltd., Ohara Corporation, Schott AG, Wenzhou Kanger Crystallite Utensils Co. Ltd., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. How big is the global glass ceramics market?
2. What is the expected growth rate of the global glass ceramics market during 2024-2032?
3. What are the key factors driving the global glass ceramics market?
4. What has been the impact of COVID-19 on the global glass ceramics market?
5. What is the breakup of the global glass ceramics market based on the composition?
6. What is the breakup of the global glass ceramics market based on the application?
7. What are the key regions in the global glass ceramics market?
8. Who are the key players/companies in the global glass ceramics market?

Table of Contents:

- 1 Preface
- 2 Scope and Methodology

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 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 Glass Ceramics Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Composition
 - 6.1 Lithium-Aluminium-Silicate (LAS)
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Zinc-Aluminium-Silicon Oxides (ZAS)
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Magnesium-Aluminium-Silicon Oxides (MAS)
 - 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 Building and Construction
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Electrical and Electronics
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Healthcare
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Aerospace
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
 - 7.5 Optical
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast
- 8 Market Breakup by Region
 - 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
 - 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends
 - 8.2.1.2 Market Forecast
 - 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
 - 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
 - 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
 - 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
 - 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
 - 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
 - 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 8.3.5.1 Market Trends
- 8.3.5.2 Market Forecast
- 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
- 8.3.7 Others
 - 8.3.7.1 Market Trends
 - 8.3.7.2 Market Forecast
- 8.4 Latin America
 - 8.4.1 Brazil
 - 8.4.1.1 Market Trends
 - 8.4.1.2 Market Forecast
 - 8.4.2 Mexico
 - 8.4.2.1 Market Trends
 - 8.4.2.2 Market Forecast
 - 8.4.3 Others
 - 8.4.3.1 Market Trends
 - 8.4.3.2 Market Forecast
- 8.5 Middle East and Africa
 - 8.5.1 Market Trends
 - 8.5.2 Market Breakup by Country
 - 8.5.3 Market Forecast
- 9 Drivers, Restraints, and Opportunities
 - 9.1 Overview
 - 9.2 Drivers
 - 9.3 Restraints
 - 9.4 Opportunities
- 10 Value Chain Analysis
- 11 Porters Five Forces Analysis
 - 11.1 Overview
 - 11.2 Bargaining Power of Buyers
 - 11.3 Bargaining Power of Suppliers
 - 11.4 Degree of Competition
 - 11.5 Threat of New Entrants
 - 11.6 Threat of Substitutes
- 12 Price Analysis
- 13 Competitive Landscape
 - 13.1 Market Structure
 - 13.2 Key Players
 - 13.3 Profiles of Key Players
 - 13.3.1 AGC Inc.
 - 13.3.1.1 Company Overview
 - 13.3.1.2 Product Portfolio
 - 13.3.1.3 Financials
 - 13.3.1.4 SWOT Analysis
 - 13.3.2 CoorsTek Inc.
 - 13.3.2.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 13.3.2.2 Product Portfolio
- 13.3.3 Corning Incorporated
 - 13.3.3.1 Company Overview
 - 13.3.3.2 Product Portfolio
 - 13.3.3.3 Financials
 - 13.3.3.4 SWOT Analysis
- 13.3.4 Kyocera Corporation
 - 13.3.4.1 Company Overview
 - 13.3.4.2 Product Portfolio
 - 13.3.4.3 Financials
 - 13.3.4.4 SWOT Analysis
- 13.3.5 Morgan Advanced Materials plc
 - 13.3.5.1 Company Overview
 - 13.3.5.2 Product Portfolio
 - 13.3.5.3 Financials
- 13.3.6 Nippon Electric Glass Co. Ltd.
 - 13.3.6.1 Company Overview
 - 13.3.6.2 Product Portfolio
 - 13.3.6.3 Financials
- 13.3.7 Ohara Corporation
 - 13.3.7.1 Company Overview
 - 13.3.7.2 Product Portfolio
- 13.3.8 Schott AG
 - 13.3.8.1 Company Overview
 - 13.3.8.2 Product Portfolio
 - 13.3.8.3 SWOT Analysis
- 13.3.9 Wenzhou Kanger Crystallite Utensils Co. Ltd.
 - 13.3.9.1 Company Overview
 - 13.3.9.2 Product Portfolio

Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Glass Ceramics Market Report by Composition (Lithium-Aluminium-Silicate (LAS), Zinc-Aluminium-Silicon Oxides (ZAS), Magnesium-Aluminium-Silicon Oxides (MAS), and Others), Application (Building and Construction, Electrical and Electronics, Healthcare, Aerospace, Optical, and Others), and Region 2024-2032

Market Report | 2024-04-08 | 136 pages | IMARC Group

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-02-21

Signature

A large, empty rectangular box intended for a signature.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com