

# Global Ceramic Foams Market Size Study & Forecast, by Type, Application, End-use Industry, and Regional Forecasts 2025–2035

<https://marketpublishers.com/r/GC9210732696EN.html>

Date: July 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: GC9210732696EN

## Abstracts

The Global Ceramic Foams Market is valued at approximately USD 0.46 billion in 2024 and is poised to grow at a compound annual growth rate (CAGR) of over 5.20% during the forecast period from 2025 to 2035. Ceramic foams have emerged as high-performance, multi-functional materials that offer a unique combination of properties—such as low thermal conductivity, high porosity, chemical stability, and mechanical strength—that make them indispensable across various industrial domains. Whether employed in thermal and acoustic insulation systems or leveraged in high-temperature filtration applications in foundries and metallurgy, ceramic foams are proving to be crucial for performance optimization and sustainability.

The increasing demand for metal filtration, particularly in the foundry sector, is significantly propelling the market forward. Ceramic foams, specifically those based on silicon carbide and aluminum oxide, are widely used to filter molten metals by trapping impurities and ensuring defect-free castings. Additionally, the rising need for lightweight, heat-resistant materials in automotive exhaust systems is further pushing manufacturers to innovate foam structures that enhance filtration efficiency and durability. As global emissions norms tighten, the automotive sector is increasingly leaning toward ceramic-based filters that can endure thermal shocks and harsh chemical environments.

From a regional standpoint, North America currently dominates the ceramic foams market, thanks to its well-established foundry industry, demand for high-temperature insulation materials, and ongoing infrastructure modernization projects. Europe follows closely, driven by strict environmental policies and robust investments in automotive emission control technologies. Meanwhile, Asia Pacific is anticipated to experience the fastest growth over the coming decade, with China and India at the forefront. The surge

in manufacturing activity, infrastructure development, and government incentives in these countries are boosting the demand for ceramic foams across various end-use sectors, including metallurgy, construction, and automotive.

Major market player included in this report are:

Schlumberger Limited

Halliburton Company

Croda International Plc.

Impact Fluid Solutions

Aubin Group

M&D Industries of Louisiana, Inc.

Chevron Phillips Chemical Company

BASF SE

Trican Well Service Ltd.

Baker Hughes Company

Saint-Gobain

Altech Advanced Materials AG

Induceramic

SELEE Corporation

UltraMet

Global Ceramic Foams Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

The detailed segments and sub-segments of the market are explained below:

By Type:

Silicon Carbide

Aluminum Oxide

Zirconium Oxide

By Application:

Molten Metal Filtration

Thermal & Acoustic Insulation

Automotive Exhaust Filters

By End-use Industry:

Foundry

Automotive

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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