

Ceramics Market Report and Forecast 2025-2034

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Report description:

The global ceramics market size attained a value of nearly USD 282.62 Billion in 2024. The market is estimated to grow in the forecast period of 2025-2034 at a CAGR of 4.40% to reach about USD 434.72 Billion by 2034.

Ceramics is usually created by taking combinations of earthen elements, clay, powders, and water and subsequently moulding them into desired structures. In an inorganic non-metallic solid, ceramics are made up of either metal compounds or non-metal compounds which have been moulded and then heated to high temperatures to harden.

Ceramics are known for their hardness, brittleness, heat resistance, and chemical stability. They are poor conductors of electricity and heat, making them excellent insulators. The properties of ceramics can vary widely depending on the exact materials and firing temperatures used.

Ceramics have a wide range of applications as they are used in household items like dishes, tiles, and pottery, in industrial applications like insulators, bearings, and cutting tools, and in advanced technology, including electronics, aerospace, and biomedical implants. Beyond their practical uses, ceramics have a rich history in art and culture and different cultures have unique ceramic traditions, and pottery is often an important part of cultural heritage.

Ceramics Market Segmentation

The EMR's report titled "Ceramics Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

The market, by product, is divided into:

- Traditional
- Advanced

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The demand for advanced ceramics, also known as technical ceramics, has been increasing due to their exceptional properties and versatility in various industrial and technological applications. Advanced ceramics are known for their ability to perform under extreme conditions. They can withstand high temperatures, corrosive environments, and high levels of wear and tear. This makes them ideal for use in industries like aerospace, automotive, and chemical processing, where materials are regularly exposed to harsh conditions.

The use of advanced ceramics in various components that can lead to improved efficiency and performance of machinery and devices also drives the ceramics market growth. For example, in the automotive sector, they are used for components that can withstand high temperatures and reduce wear, leading to longer-lasting and more efficient engines.

The market can be broadly categorised on the basis of applications into:

- Tiles
- Sanitary Wares
- Abrasives
- Pottery
- Bricks and Pipes
- Others

The segment that holds the highest market share is ceramic tiles. Ceramic tiles are used extensively in both residential and commercial settings. They are a popular choice for flooring, wall coverings, bathroom surfaces, kitchen backsplashes, and outdoor spaces.

Ceramic tiles offer a wide range of colours, patterns, textures, and sizes, making them highly attractive for interior and exterior design. This flexibility allows them to cater to diverse aesthetic preferences and design requirements, driving their popularity in the construction and renovation markets.

Ceramic tiles are also known for their durability and long lifespan as they are resistant to wear and tear, stains, and fading, making them a practical choice for areas with high foot traffic or exposure to elements. This durability reduces the need for frequent replacements, making them a cost-effective option in the long run.

By end-use industry, the market is segmented into:

- Building and Construction
- Industrial
- Medical
- Others

The ceramics market demand is driven by the surging usage of ceramics in producing bricks, pipes, sanitary wares, and tiles and the growing construction sector across the globe. Due to factors like stiffness, strength, electrical resistance, and inertness, ceramic is the most chosen material, which is attracting more consumers, and boosting the demand for ceramic from the construction sector.

Growing technological innovations in ceramic tile manufacturing like Nanotechnology, 3-D printing, inkjet technology, and roto drum technology, among others have further enhanced the demand for ceramics. They are used for designing and building interiors and exteriors. Their wide usage is anticipated to bolster the market growth of ceramics across the globe during the

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forecast period.

The report also covers the major regional markets for ceramics, which are as follows:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Ceramics Market Analysis

There is a significant global demand for ceramics, driven by the construction sector, which uses large quantities of tiles and sanitary ware. Technological innovations and improving production methods are some of the crucial ceramics market trends that have led to the development of more durable, aesthetically pleasing, and environmentally friendly ceramic products. Digital printing, for instance, has revolutionised the design capabilities of ceramic tiles.

There is a growing demand for advanced ceramics due to their unique properties like high temperature and wear resistance, which are essential in industrial, technological, and medical applications. Environmental sustainability is also becoming increasingly important in the market, due to which eco-friendly manufacturing processes and the use of recycled materials are gaining traction.

Regional Insights

The Asia Pacific region holds a significant portion of the ceramics market share on account of the growing construction activities in the region. Rapid urbanisation, increasing disposable income, and growing standard of living along with emerging economies are expected to bolster the market growth of ceramics across the region during the forecast period.

This can be attributed to the changing preferences of consumers for residential renovations. Another factor driving growth is the greater adoption of soundproof and elegant interior materials in commercial buildings like business centres, clubs, restaurants, and malls. The demand for ceramics in the Asia Pacific is likely to be enhanced due to the technological advancements in the construction sector and the increasing need for better designs.

Ceramics also have a long cultural history in many Asia Pacific countries, particularly in China, which is known for its traditional porcelain. This cultural heritage continues to influence the demand for ceramic products, both for domestic use and as artistic objects. Countries like China and India are major manufacturing hubs for ceramic products, not only catering to domestic demand but also exporting to other regions. The availability of raw materials, relatively low labour costs, and established manufacturing capabilities support the production and demand for ceramics.

Asia Pacific countries are significant exporters of ceramic products and their strong production capabilities, coupled with competitive pricing, make them key players in the global market. The region is also focusing on research and development, leading to innovations in ceramic materials and technologies, which further drive the market growth. There is also a surge in demand in the Asia Pacific region for speciality ceramics used in advanced applications such as electronics, aerospace, and renewable energy technologies.

Advancements in ceramic manufacturing technology have led to the development of new, high-quality ceramic products, including advanced ceramics used in electronics, automotive, and medical industries. This technological progression has opened

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new applications for ceramics, expanding their market. Many governments in the region are also investing in infrastructure development and are encouraging the growth of manufacturing sectors, including ceramics, through various initiatives and policies.

Key Players in the Market

The report presents a detailed analysis of the following key players in the global ceramics market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Momentive Performance Materials Quartz, Inc.
- Corning Incorporated
- KYOCERA Corporation
- Murata Manufacturing Co. Ltd.
- Kajaria Ceramics Limited
- Others

The comprehensive report looks into the macro and micro aspects of the market. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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