

Thermal Ceramics Market 2022-2027: Size, Share, Trends, Outlook, Growth, Industry Analysis, and Report

SHERIDAN, WY, UNITED STATES, June 21, 2022 /EINPresswire.com/ -- According to the latest report by IMARC Group, titled "Thermal Ceramics Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027" The global [thermal ceramics market size](#) reached a value of US\$ 4.3 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 5.7 Billion by 2027, exhibiting at a CAGR of 4.7% during 2022-2027.



Thermal Ceramics Market

Report Metric

Historical: 2016-2021

Base Year: 2021

Forecast Year: 2022-2027

Thermal ceramics are refractory materials that provide thermal shock resistance, thermal insulation, and durability at a temperature beyond 2000°C. Also known as ultra-high temperature ceramics (UHTCs), these ceramics are used to reduce energy consumption, emissions, and operating costs in high-temperature industrial processing of cement, metals, ceramics, glass, and petrochemicals. Besides this, the corrosion-resistant and electrical conducting properties of thermal ceramics also make them suitable for various high-temperature structural applications, including engines, hypersonic vehicles, plasma arc electrodes, cutting tools, furnace elements, and high-temperature shielding.

As the novel coronavirus (COVID-19) crisis takes over the world, we are continuously tracking the changes in the markets, as well as the industry behaviours of the consumers globally and our

estimates about the latest market trends and forecasts are being done after considering the impact of this pandemic.

Thermal Ceramics Market Trends:

The market is primarily driven by the increasing utilization of thermal ceramics in the aerospace industry to meet stringent performance, temperature, and weight specifications of spacecraft. In addition, the escalating use of hypersonic missiles and weapons due to the rising geopolitical tensions and investments in the defense sector represents another major growth-inducing factor. Besides this, the increasing investments in space exploration by governments of numerous countries are positively influencing the market growth. Moreover, as thermal ceramics provide lightweight fire insulation in super-yachts, cruise ships, high-speed ferries, offshore platforms, and floating production storage and offloading (FPSO) vessels, they are extensively utilized in deep-water oil extraction, especially in remote locations. Furthermore, the increasing sales of passenger vehicles are also creating a favorable market outlook across the globe as thermal ceramics are widely employed in the automotive industry to protect the surface and inner layer of vehicles from friction and generated plasma.

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Thermal Ceramics Market 2022-2027 Analysis and Segmentation:

Competitive Landscape:

The competitive landscape of the market has been studied in the report with the detailed profiles of the key players operating in the market.

3M Company, CeramTec GmbH, Dyson Technical Ceramics Ltd., FibreCast Inc., Ibiden Co. Ltd., Mitsubishi Chemical Holdings Corporation, Morgan Advanced Materials, Rath Group, Rauschert GmbH, RHI Magnesita GmbH, Shinagawa Refractories Co. Ltd. , Unifrax and YESO Insulating Products Co. Ltd.

The report has segmented the market on the basis on type, temperature range and end use industry.

Breakup by Type:

Ceramic Fabrics
Insulation Bricks

Breakup by Temperature Range:

650-1000 Celsius
1000-1400 Celsius
1400-1600 Celsius
Above 1600 Celsius

Breakup by End Use Industry:

Mining and Metal Processing
Chemicals and Petrochemicals
Construction
Manufacturing
Power Generation
Aerospace
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

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Key highlights of the report:

Market Performance (2016-2021)
Market Outlook (2022-2027)
Porter's Five Forces Analysis
Market Drivers and Success Factors
SWOT Analysis
Value Chain

Comprehensive mapping of the competitive landscape

If you need specific information that is not currently within the scope of the report, we will provide it to you as a part of the customization.

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