

Technical Ceramics Market SWOT Analysis & Next Big Thing to 2026

Technical ceramics market was valued at \$8.03 billion in 2018, and is projected to reach \$13.09 billion by 2026, growing at a CAGR of 6.20% from 2019 to 2026

OREGON, PORTLAND, UNITED STATES, November 7, 2022 /EINPresswire.com/ -- Allied Market Research recently published a report, titled, "[Technical Ceramics Market](#) by Material (Oxide and Non-Oxide), Product (Monolithic Ceramics, Ceramic Coatings, and Ceramic Matrix Composites), and End-use Industry (Electronics & Semiconductor, Automotive, Energy & Power, Industrial, Medical, Military & Defense, and Others): Global Opportunity Analysis and Industry Forecast, 2019–2026." The global technical ceramics industry was estimated at \$8.03 billion in 2018 and is anticipated to register \$13.09 billion by 2026, registering a CAGR of 6.2% during the period 2019 to 2026.



Technical Ceramics Market Size

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Drivers, restraints, & opportunities-

Rise in demand from several end-use industries and emergence of technical ceramics as a substitute to metal drive the growth of the global technical ceramics market. On the other hand, high energy costs for manufacturing technical ceramics impede the growth to some extent. However, development in electronics & semiconductor manufacturing in APAC and rapid growth of ceramics in healthcare industry are expected to usher in a number of opportunities in the industry.

Frontrunners in the industry-

- Albemarle Corporation
- Saint-Gobain S.A.
- KYOCERA Corporation
- KCC CORPORATION

- Rauschert GmbH
- McDanel Advanced Ceramic Technologies
- Morgan Advanced Materials plc and 3M
- NGK Spark Plug Co., Ltd.
- CoorsTek Inc.

Leading market players

- Mitsubishi Chemical Holdings Corporation
- PPG Industries Inc.
- DuPont
- Solvay
- SABIC
- Sumitomo Bakelite Co. Ltd.
- Toray Industries Inc.
- Röchling
- Hexcel Corporation
- SGL Carbon

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The oxide segment garnered the lion's share in 2018-

Based on material, the oxide segment accounted for more than three-fifths of the global technical ceramics market revenue in 2018, and is projected to rule the roost during 2019–2026. This is attributed to the high demand for alumina in electronics and electrical, automotive, energy and utility, and other industries. The non-oxide segment, on the other hand, would cite the fastest CAGR of 6.5% during the forecast period. Being an excellent abrasive material, these ceramics are increasingly used in grinding wheels application, which has boosted the segment growth.

The monolithic ceramics segment to lead the trail by 2026-

Based on product, the monolithic ceramics segment held the major share in 2018, generating more than two-thirds of the global technical ceramics market. The demand for monolithic ceramics was on the rise on account of drastic changes in the sales of consumer electronics such as laptops, smartphones, television, cameras etc. which has driven the growth of the segment. At the same time, the ceramic matrix composites segment would showcase the fastest CAGR of 6.8% throughout the study period. This is due to ceramic matrix composites (CMC) are advanced ceramic that exhibits a combination of properties such as relatively higher strength at elevated temperature, good corrosion and erosion behaviors, higher stiffness and toughness, high corrosion resistant power, and others.

Asia-Pacific, followed by North America, to dominate-

Based on geography, Asia-Pacific contributed to more than one-fourth of the global technical

ceramics market share in 2018, and is expected to rule the roost by the end of 2026. Asia-Pacific has the presence of several established industries such as automotive, electronics and electricals, and energy & power, which collectively increases demand for technical ceramics in the province. Simultaneously, North America would register the fastest CAGR of 6.7% till 2026. Rise in adoption of technical ceramics in medical, and military & defense industries in the region has fueled the market growth.

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