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There is of course a huge range of other oxides or combination of

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oxides from which ceramic materials can potentially be made. This is particularly the case for electronic and magnetic ceramics with the main families being based on: (i) barium titanates (BT); (ii) lead zirconate titanates (PZT); (iii) lead lanthanum zirconate titanate (PLZT); (iv)

~~Electronic Ceramics — an overview | ScienceDirect Topics~~

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Ceramic products used as electrical insulators include spark plugs, hermetic packaging, ceramic arc tubes, and protective parts (e.g., beads and tubing) for bare wires and power lines. These products are primarily used in sectors such as automotive, marine transportation, aerospace, and electricity distribution.

~~Ceramics and Glass in Electrical and Electronic ...~~

A ceramic capacitor is a fixed-value capacitor where the ceramic

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material acts as the dielectric. It is constructed of two or more alternating layers of ceramic and a metal layer acting as the electrodes. The composition of the ceramic material defines the electrical behavior and therefore applications.

~~Ceramic capacitor — Wikipedia~~

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~~Ceramic Material Supplier — Stanford Advanced Materials~~

In electronic and electrical industries advanced ceramic materials like Barium Titanate (BaTiO₃), piezoelectric materials and semiconductor materials are heavily used for producing ceramic

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capacitors, vibratos, temperature sensors, oscillators, etc. Ceramics used for this type of applications are called functional ceramics.

~~What are Ceramic Materials and Their Uses? — Bright Hub ...~~

Our beryllium oxide (BeO) and aluminum oxide (Al₂O₃) ceramic materials are ideal for solving challenges in medical equipment, electronics manufacturing, aerospace, laser systems and the energy market. BEO CERAMICS OFFER SUPERIOR THERMAL CONDUCTIVITY. We offer two BeO ceramics product families: Thermalox® ceramics and BW ceramics. These materials offer superior product strength, reliability, miniaturization, weight savings and thermal conductivity.

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