

CERAMICS

TECHNICAL CERAMICS

Traditional ceramics include porcelain and tiles, but in technical products special ceramics are used. They are used in highly advanced applications and have special properties



EXPENSIVE

Technical ceramics can be very expensive



CHEMICALLY STABLE

Ceramics are stable in most harsh environments

MOISTURE RESISTANT

Ceramics do not absorb moisture nor does water diffuse through them



HARD, RIGID AND BRITTLE

Ceramics can be fragile and crack easily



THERMALLY STABLE

Ceramics can withstand very high temperatures and many of them are good thermal conductors

TYPICALLY DIELECTRICS

In electrical applications ceramics are often used as dielectric materials - for example in ICs, capacitors, substrates and coatings

