CFS Zirconia MgO-ZrO2

Mg-PST - Yellow

PROPERTY	UNIT	VALUE
Classification as per DIN ISO	-	C800
Main component	Weight - %	96,5% ZrO2
Colour	-	Yellow
Density	g/cm^3	5,6
Open porosity	Vol - %	0
Bending strength	MPa	>600
Compressive strength	MPa	-
Modulus of elasticity	GPa	>200
Vickers hardness	N/mm^2	>10.000
Fracture toughness	MPa $m^{1/2}$	8
Weibull modulus	-	16
Linear thermal expansion coefficient	10^{-6} K^{-1}	11
Thermal conductivity	W m^{-1} K^{-1}	3
Max. working temperature in air	°C	1000

TECHNICAL NOTES

The values were determined on test specimens and are typical for the respective material. Product attributes may vary depending on the design and production process. Other materials are available on demand.