

RocCera



RocCera Tetragonal Zirconia

Typical Properties:

Chemical Composition		Zirconia + 3 mole% yttria
Crystal Structure		100% Tetragonal
Density	gram/cc	6.05
Color		Ivory
Young's Modulus @ RT	psi X 10 ⁶	32 million
	GPa	208
Flexural Strength @ RT	psi	145,000
	MPa	982
Fracture Toughness	MPa√m	12
Vicker's Hardness	500 g Load	1300 VHN
Weibull Modulus		14
Thermal Conductivity (RT)	cal/cm.sec. ⁰ C	0.009
Coeff. Of Linear Thermal Expansion (40 - 400 ⁰ C)		10.5 x 10 ⁻⁶ / ⁰ C

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