

96% Aluminum Oxide

Typical Properties

	(Units)	(96%)
Density	(g/cc)	3.75 min
Color		white
Porosity	vol%	Impervious
Average Granular Size	(um)	180
Thermal Conductivity	(W/m-K)	24
Thermal Expansion	(10exp-6/C)	7.2
Volume Resistivity (RT)	(Ohm-cm)	>10E14
Dielectric Constant	(RT, 1Mhz)	9.3
Dielectric Strength	(kV/mm)	35
Bending Strength	(MPa)	> 300
Young's Modulus	(GPa)	340
Hardness	(GPa)	17 - 19
As-Fired Surface Finish	(micro-meters)	0.5 – 0.4
Maximum use temperature	(C)	1550C