

ESD (ElectroStatic Discharge) Zirconia

Typical Properties – 2 mole % yttria sintering aid

	(Units)	(Typical)
Density	(g/cc)	5.65 – 5.75
Color		Black
Grain Size, average	(um)	1 - 2
Thermal Conductivity	(W/m-K)	2 - 3
Volume Resistivity (RT)	(Ohm-cm)	10E4 - 10E9
Bending Strength	(MPa)	900 - 1000
Hardness	(GPa)	12
Fracture Toughness	(MPa-m ^{1/2})	8 - 10