

# Materials

## CERAMICS

		<b>AL</b> ALUMINA CERAMIC
<b>POWDER</b>	PURITY (%)	99.99
	SLURRY APPEARANCE	White
<b>SLURRY</b>	SLURRY DENSITY (g/mL)	2.58
	SOLIDS CONTENT (vol%)	51.4
	DYNAMIC VISCOSITY 1 [Pa·s]	8400
	THEORETICAL DENSITY (g/cm <sup>3</sup> )	3.99
<b>SINTERED CERAMIC</b>	RELATIVE DENSITY (%)	99.5
	THREE-POINT FLEXURAL STRENGTH (MPa)	500
	YOUNG'S MODULUS (GPa)	300
	COEFFICIENT OF THERMAL EXPANSION (ppm/K)	7-8
	THERMAL CONDUCTIVITY (W/(m·K))	32
	RESISTIVITY (Ω·cm)	≈1014
	COMPATIBLE BMF SYSTEMS	S230, S240