

Materials

CERAMICS

		AL ALUMINA CERAMIC
POWDER	PURITY (%)	99.8
	SLURRY	
SLURRY	SOLIDS LOADING (vol%)	50
	DYNAMIC VISCOSITY [Pa·s]	10
SINTERED CERAMIC	THEORETICAL DENSITY (g/cm ³)	3.99
	COMPRESSIVE STRENGTH (MPa)	2300
	RELATIVE DENSITY (%)	99
	THREE-POINT BENDING STRENGTH (MPa)	400
	SURFACE ROUGHNESS Ra (μm)	<0.5
	RELATIVE PERMITTIVITY (10 GHz)	-
	DIELECTRIC LOSS TAN δ (10 GHz)	-
	YOUNG'S MODULUS (GPa)	300
	COEFFICIENT OF THERMAL EXPANSION (ppm/K)	7-8
	THERMAL CONDUCTIVITY (W/(m·K))	32
	SPECIFIC ELECTRICAL RESISTIVITY (Ω·cm)	≈10 ¹⁴
	COMPATIBLE BMF SYSTEMS	S230, S240, S350