



RESOLUTION × ACCURACY × PRECISION

AL Alumina Ceramic

Alumina Ceramic is perfect for applications involving tooling, casings and housings, and medical devices – able to withstand high temperatures with high strength properties and chemical resistance.



Powder	PURITY [%]	99.99	XRF
	SLURRY APPEARANCE	WHITE	VISUAL
Slurry	SLURRY DENSITY [g/mL]	2.58	SPECIFIC GRAVITY CUP
	SOLIDS CONTENT [vol%]	51.4	THEORETICAL CALCULATIONS
	DYNAMIC VISCOSITY 1 [Pa · s]	8400	MCR 92
	THEORETICAL DENSITY [g/cm ³]	3.99	-
Sintered Ceramic	RELATIVE DENSITY [%]	99.5	-
	THREE-POINT FLEXURAL STRENGTH [MPa]	500	UNIVERSAL TESTING MACHINE
	YOUNG'S MODULUS [GPa]	300	-
	COEFFICIENT OF THERMAL EXPANSION [ppm/K]	7-8	-
	THERMAL CONDUCTIVITY [W/m·K]	32	-
	RESISTIVITY [Ω·cm]	≈10 ¹⁴	-
	COMPATIBLE BMF SYSTEMS	*S230, **S240	-

*S230 with T40 vat and platform

**S240 with T200 vat and platform

¹Final properties are dependent on print conditions, post-processing operations, and part geometry.

²Test samples were UV cured and heat cured.