

99% Alumina Ceramic Material Properties-SU0023

Properties	Unit	Value
Al ₂ O ₃	%	99
Color	-	Ivory
Density	g/cm ³	3.9
Bending Strength	MPa	370
Dielectric Strength	1MHz	10.2
Hardness	GPa	14.7
Fracture Toughness	MPa·m ^{1/2}	4
Expansion Coefficient	10 ⁻⁶ (Normal Temperature~800°C)	7.7
Thermal Conductivity	W/(m·K)	32
Compressive Strength	MPa	2245
Volume Resistance	Ω·cm	>10 ¹⁵

Remark: The value is just for review, different using conditions will have a little difference.

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