

95% Alumina Ceramic Material Properties-SU0364

Properties	Unit	Value
Main Composition	%	Al ₂ O ₃ ≥95%
Color	-	White, Ivory white
Density	g/cm ³	≥3.7
Air Tightness	-	Airtight
Water Absorption	-	≤0.2
Mohs Hardness	GPa	8.80
Bending Strength (20°C)	MPa	290.00
Compressive Strength (20°C)	MPa	1,910.00
Long-term Using Temperature	°C	1,400.00
Thermal Expansion Coefficient (25-800°C)	10 ⁻⁶ /K	7.60
Thermal Conductivity (25°C)	W/(m·k)	20.00
Dielectric Strength (5mm thickness)	AC-KV/mm	10.00
Dielectric Constant (25°C @1MHz)	-	9.20
Dielectric Loss (25°C @1MHz)	-	0.0004

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

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