

96% Alumina (Al₂O₃) Ceramic Thermal Pads Material Properties-SU0577

Properties	Unit	Value
Flexural Strength(Three point)	MPa	> 350
Water Absorption	%	0
Thermal (25°C)	W/(m*k)	24
Thermal Expansion (20-1000°C)	1×10 ⁻⁶ mm/°C	7.2~8.5
Thermal Shock Resistance (850°C)	-	≥6
Specific Heat	J/(kg*K)	780
Dielectric Constant(1MHz/25°C)	-	9.4±0.3
Dielectric Loss(1MHz/25°C)	×10 ⁻⁴	≤3
Volume Resistivity	25°C	> 10 ¹⁴
	300°C	> 10 ¹⁰
	500°C	> 10 ⁶
Breakdown Voltage	KV/mm	18

Remark: The value is just for review. Different working conditions may cause some difference..

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