

Aluminum Nitride Material Properties - SU0435

Properties	Unit	Value
Yttria	%	0
Thermal Conductivity (20°C)	W/m·K	90±5
Bulk Density	g/cm ³	≥3.25
Flexural Strength	MPa	≥300
Volume Resistivity	Ω·cm	10 ¹⁴ (TYP)
Dielectric Constant	@1MHz	7~9 (TYP)
Dielectric Loss	@1MHz	10 ⁻⁴ (TYP)
Breakdown Voltage	Kv/mm	≥15 (TYP)
Coefficient of Linear Expansion (30~300°C)	1×10 ⁻⁶ /°C	4~5.5 (TYP)

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

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