

Technical Data Sheet

Product Name: Aluminum Nitride Tube
Catalog No.: SN3994
Size: Customized
Color: White, Light Grey
Purity: 95-99%



Properties

Item	Unit	Test Standard
Density	g/cm ³	≥3.30
Thermal Conductivity	25°C W/(m·k)	≥170
Dielectric Constant	1 MHz, 25°C	9
Dielectric Loss	1 MHz, 25°C	3×10 ⁻⁴
Dielectric Strength	Kv/mm	≥15
Flexural Strength	Mpa	≥330
Elastic Modulus	GPa	310-320
Warpage	~/25(length)	0.03-0.05
Surface roughness Ra	um	0.3-0.5
Coefficient of thermal expansion	20 ~ 300°C (10 ⁻⁶ /°C)	4.6
Volume resistivity	20°C·Ω·cm	≥10 ¹⁴
Water Absorption	%	0

Stanford Advanced Materials

By..... *Wouman*