

Product	Aluminum Nitride
Appearance	light grey
Aluminum Nitride Content	>99 %
Density	3.1-3.25g/cc
Thermal Conductivity (W/m • K)	≥200
Volume Resistivity (Ω·cm)	>10 ¹³
Dielectric Constant [1MHz, 25 °C]	9
Dielectric Loss [1MHz, 25 °C]	3.8×10 ⁻⁴
Electric Strength (KV/mm)	17
Bulk Density (g/cm ³)	≥3.30
Surface Roughness Ra (μm)	0.3~0.5
Coefficient of Thermal Expansion [20 °C to 300 °C]	4.6 (10 ⁻⁶ /°C)
Flexural Strength (MPa)	320~330
Elastic Modulus (GPa)	310~320
Mohs Hardness	8
Water Absorption (%)	0
Warpage (per 25mm length)	0.03~0.05
Melting Point (°C)	2500