

Spherical Aluminium Nitride (AlN)

- High thermal conductivity, high filling, hydrolysis resistance and electrical insulation.
- Typical Application
 Thermal Grease, Thermal gel, Thermal pad and thermal.

➤ Physical Characteristics

Item		Unit	Typical Value	Method/Device
Particle Size	(D ₁₀)	µm	24.8	Light Scattering/OMEC Topsizer
	(D ₅₀)	µm	36.1	
	(D ₉₀)	µm	52.6	
S.S.A.		m ² /g	0.06	3H-2000A Specific Surface Area Analyzer
Bulk Density		g/cm ³	1.60	BT-302 Bulk Density
Tap Density		g/cm ³	1.96	BT-303 Tap Density

➤ Chemical Characteristics

Item		Unit	Typical Value	Method/Device
Impurity	O	%	1.28	Oxygen and Nitrogen Analyzer
	C	ppm	126	Carbon Sulfur Analyzer
	Si	ppm	40	ICP
	Fe	ppm	20	ICP
	Na	ppm	15	ICP

➤ SEM Image

