

Integrated Production Leads to High Quality and Low Price

AlN production starts with manufacturing aluminum powder with our proprietary atomizing technology. The aluminum powder is then transformed to AlN by the process of combustion synthesis.

Because of the various properties of AlN such as good dielectric properties, high thermal conductivity, low thermal expansion coefficient etc., AlN is widely used in the manufacturing of thermal interface materials, heat sinks, IC packages, and power transistor bases.

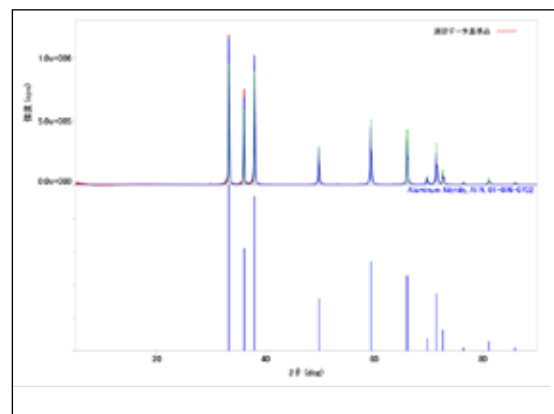
With our integrated manufacturing process from raw material, we are able to provide high quality AlN with competitive price.



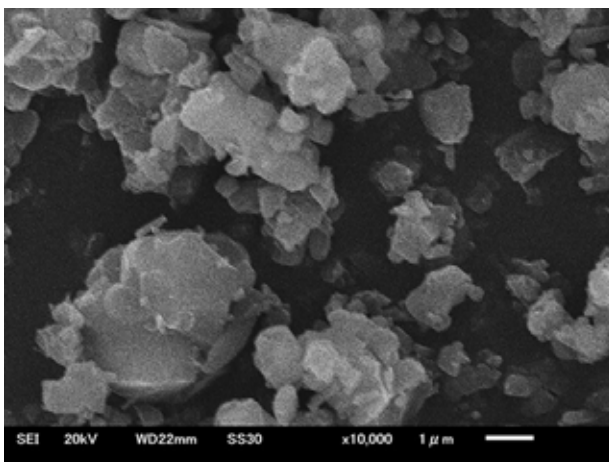
General Properties

Component	AlN (Aluminium nitride)
CAS RN	24304-00-5
Density	3.26 g/cm ³
Thermal expansion	4.5 x 10 ⁻⁶
Thermal conductivity	140 320 W/m·K
Volume resistivity	> 10 ¹⁴
Average particle size	2.5 μm

XRD chart



Particle shape



Particle size distribution

