



Aluminum Nitride (AlN) Nanoparticles, nanodots or nanopowder are spherical high surface area particles. Aluminum nitride nanopowder/nanoparticle has good dielectric properties and high thermal conductivity. Aluminum nitride is stable in hydrogen and carbon dioxide atmospheres up to 980°C. Aluminium nitride nano powder is used in composite, and it has a good match with the semiconductor silicon and its good interface compatibility improves the mechanical properties and thermal conductivity of composite material.

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## A P P L I C A T I O N S

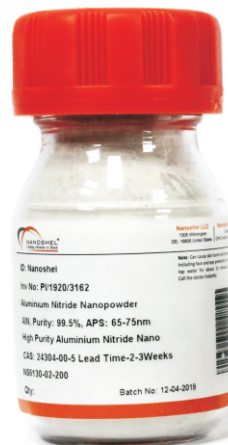
- ✓ Heat conductive material
- ✓ Opto-electrical applications
- ✓ Circuit board, electronic devices & optical devices
- ✓ High temperature crucibles & heat sinks
- ✓ Thermally conductive filler for polymers
- ✓ Reinforcing agent

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## SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Weight: 40.98 g/mol
- ✓ Color: off-White
- ✓ Density: 3.3 g/cm<sup>3</sup>
- ✓ Melting Point: 2200 °C
- ✓ Boiling Point: 2517 °C

All types of particles size are available in micro and nano range.



CATALOGUE NO.

- NS6130-02-200



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