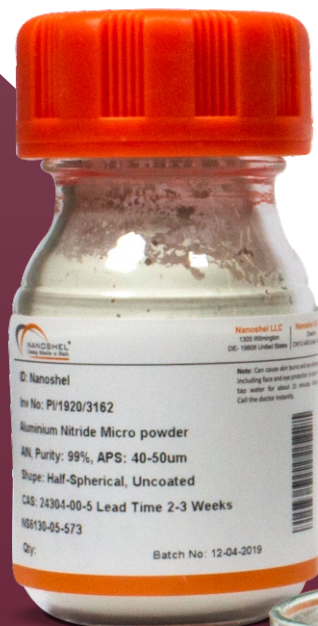


ALUMINIUM NITRIDE POWDER

Stock No: NS6130-05-573

AIN



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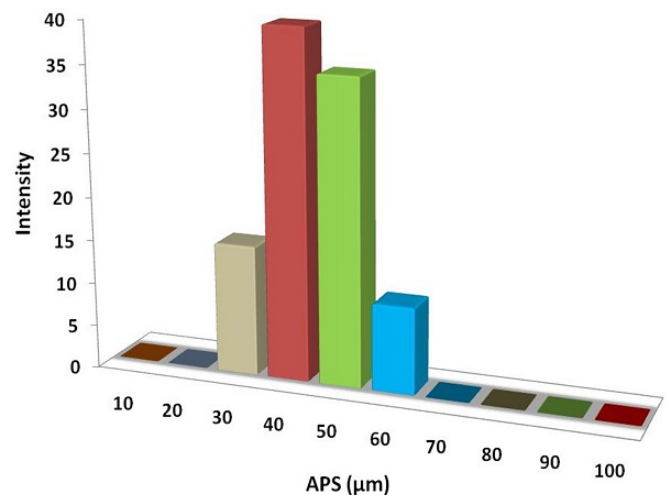
| www.nanoshel.com | sales@nanoshel.com

Aluminium Nitride Powder

AlN ceramic materials has been largely driven by the demand for a high-thermal-conductivity material that is also an electric insulator. This combination is for applications such as substrates and housings in hybrid circuits, power electronics, or microwave tubes. aluminum nitride is also used in non-ferrous metal smelting and semiconductor material gallium arsenide crucible, evaporation boat protective tube, thermocouple, high temperature insulation, microwave dielectric materials, high temperature and corrosion-resistant aluminum nitride structural ceramics and transparent microwave ceramics, as well as the current application in PI resin, mica thermal insulation, thermal grease, insulating paint and thermal oil. Aluminum nitride powders can be thermal sprayed to form electrically insulating and thermally conductive coatings.

Quick Facts

| | |
|-------------|----------------------------|
| Product | : Aluminium Nitride Powder |
| Color | : Grey |
| Stock No | : NS6130-05-573 |
| CAS | : 24304-00-5 |
| Purity | : 99% |
| APS | : 40-50µm |
| Other Metal | : 8500ppm |



Technical Specification

| Molecular Formula | Molecular Weight | Density | Melting Point |
|-------------------|------------------|-----------------------|---------------|
| AlN | 40.99 g/mol | 3.26g/cm ₃ | 2200°C |

Applications

- Thermal Filler for improving thermal greasr, pad, tape, PCM etc.
- Thermal interface material
- Manufacture of substrates
- Additives for epoxy moulding compounds
- TCP Filling for LED bulb heat sinks

ISO 9001:2015
CERTIFIED COMPANY



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