



Slurry, Suspension, Dispersion

ALUMINIUM

NANOPARTICLES

DISPERSION

Aluminium Nano Dispersion (Al) nanoparticles water dispersion with phase stability, high hardness, and good dimensional stability, it can be widely used in plastics, rubber, ceramics, refractory products. In particular, it can significantly improve ceramics density, smoothness, thermal fatigue resistance, fracture toughness, creep resistance and polymer products wear resistance.

Applications


- ✓ Military industry
- ✓ Paint & pigments industry
- ✓ Thermal spray
- ✓ Rockets & missiles
- ✓ Aerospace device
- ✓ Resistance to irradiation damage

Properties

- ✓ Anti corrosion
- ✓ Excellent conductivity
- ✓ anti-biotic, anti-microbial, and anti-fungal agent
- ✓ high conductivity
- ✓ ductility, malleability
- ✓ thermal dissipation activity

Quick Facts

Purity	: 99.99 %
APS	: 80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal

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ISO 9001:2015
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