



Slurry, Suspension, Dispersion

ALUMINIUM

NANOPARTICLES

DISPERSION

Aluminium Nano Dispersion (Al) are widely used for preparative column chromatographic separations, isolation and purifications for both in laboratory and industrial production. Al₂O₃ nanoparticles water dispersion with phase stability, high hardness, and good dimensional stability, it can be widely used in plastics, rubber, ceramics, refractory products.

Applications

- ✓ Heat transfer fluids
- ✓ Nanocomposites
- ✓ Transparent conductive coating
- ✓ Transparent optical coating
- ✓ Pharmaceutical and food industries
- ✓ Paint & pigments industry
- ✓ Thermal spray
- ✓ Rockets & missiles

Properties

- ✓ Self-cleaning, anti-icing, and waterproofing
- ✓ Resistance to corrosion
- ✓ Low tensile strength
- ✓ Light in weight
- ✓ Good mechanical and optical properties

Quick Facts

Purity	: 99.99 %
APS	: 50-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal

