



Slurry, Suspension, Dispersion
Al₂O₃

ALUMINIUM Oxide NANOPARTICLES DISPERSION

Aluminium Oxide Dispersion (Al₂O₃) 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


- ✓ High temperature electrical insulators
- ✓ High voltage insulators
- ✓ Furnace liner tubes
- ✓ Thread and wire guides
- ✓ Electronic substrates
- ✓ Ballistic armor
- ✓ High temperature labware

Properties

- ✓ Good strength and stiffness
- ✓ Good hardness
- ✓ Good thermal stability
- ✓ Excellent dielectric properties
- ✓ Low dielectric constant

Quick Facts

Purity	: 99.99 %
APS	: 25-30nm
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
CERTIFIED COMPANY

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