



Slurry, Suspension, Dispersion  
**Al<sub>2</sub>O<sub>3</sub>**

# ALUMINIUM Oxide NANOPARTICLES DISPERSION

**Aluminium Oxide Dispersion (Al<sub>2</sub>O<sub>3</sub>)** exhibited several potential applications in electronics, optoelectronics, catalysis and thin film coatings. In particular, alumina nanoparticles are expected to play important roles in a variety of relevant applications, and hence, the field has generated important contributions regarding the synthesis and processing of such particles.

## Applications

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

## Properties

- ✓ Good electrical insulation
- ✓ High mechanical strength
- ✓ Excellent wear resistance
- ✓ Excellent corrosion resistance
- ✓ Low dielectric constant

## Quick Facts

Purity	: 99.99 %
APS	: 1-10nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal

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