



Slurry, Suspension, Dispersion

# ALUMINIUM

NANOPARTICLES

## DISPERSION

**Aluminium Nano Dispersion (Al)** nanoparticles water dispersion is a promising material of far infrared emission, as the far-infrared emission and thermal insulation materials are used in chemical fiber products and high-pressure sodium lamp.

## 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	: 50-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
Form	: Slurry, Suspension, Dispersion, Colloidal

