

Nickel

Nano-Dispersion

Ni



Nickel Nanoparticles Dispersion- The prospects for using nanomaterials with diameters of <100 nm in number of applications is being widely researched today across multiple domains. The key applications of nickel dispersions are Adhesive and coloring agents for enamel, Active optical filters, Antiferromagnetic layers, Automotive rear-view mirrors with adjustable reflectance, Catalysts, Cathode materials for alkaline batteries, Electro chromic materials, Energy efficient smart windows (with adjustable absorption and reflectance in the visible and near-IR wavelength range) and many more..

Quick Facts

Purity	: 99.9%
APS	: 80-100nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Applications

- ✓ Cancer cell imaging system
- ✓ Automotive catalytic converters
- ✓ Coatings, plastics, nanowires, nanofibers and textiles
- ✓ Magnetic fluid and catalyst
- ✓ Propellant and sintering additive.
- ✓ Ceramic additives; capacitor materials

Properties

- ✓ Ultrahigh compressive strength
- ✓ Excellent conductivity
- ✓ Extraordinary optical and electronic
- ✓ Great magnetic
- ✓ Unique catalytic



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