

Cerium Oxide Nanoparticle Dispersion (CeO₂)-

- has been considered as high gate oxide material because of its unique properties: moderate band gap, high dielectric constant, high refractive index and high dielectric strength.

Properties

- ✓ Good chemical stability
- ✓ Good electrical insulation
- ✓ Excellent corrosion resistance
- ✓ Low dielectric constant
- ✓ High surface area

Quick Facts

| | |
|------------------|---|
| Purity | : 99.99% |
| APS | : 30nm |
| Concentration | : Customer requirement |
| Dispersing Agent | : Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O) |
| Form | : Slurry, Suspension, Dispersion, Colloidal |



Applications

- ✓ Missions Catalysis
- ✓ Fuel Cell Electrolytes
- ✓ Polishing Of Optical Surfaces
- ✓ Planarization Of Semiconductors
- ✓ As A Substrate For Precious Metals Used In Oxidation Catalysis,
- ✓ Catalysis For The Splitting Of Water For Hydrogen Production
- ✓ Radical Oxygen Scavenger In Biological Systems.
- ✓ Crude oil refining
- ✓ Production of hydrogen
- ✓ Vehicle emission control.

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Cerium Oxide Nano DISPERSION



ISO 9001:2015
CERTIFIED COMPANY



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