

Zinc

Nano-Dispersion

Zn

Zinc Nanoparticles Dispersion- exhibit antibacterial, anti-corrosive, antifungal and UV filtering properties. Zinc oxide (ZnO) dispersions are a versatile material which find applications in sunscreens, sun blocks, paint, preservation, piezoelectric thin films, thin film waveguides, etc. Zinc oxide's electronic band structure allows the material to block or absorb harmful UV radiation. ZnO can thus find potential applications as a transparent electro-optic substrate.

Quick Facts

Purity	: 99.9 %
APS	: 50nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Applications

- ✓ Anti-fungicides (agricultural pathogens)
- ✓ Widely used in anti-corrosion coatings (galvanization on steel)
- ✓ Electrical and hardware industry
- ✓ Gamma ray detectors
- ✓ Rocket propellants,
- ✓ Anti-wear, anti-fouling agents etc.

Properties

- ✓ Anti-corrosion
- ✓ Unique anti-microbial
- ✓ Self lubricant
- ✓ Catalysts



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