



Zinc Oxide Nanodispersion

Zinc Oxide Dispersion exhibits 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	: 30-40nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Properties

- ✓ High chemical stability
- ✓ Antibacterial
- ✓ Photocatalytic and photo oxidizing
- ✓ Increases surface hardness,
- ✓ Improves UV light resistance and antiseptic effect
- ✓ UV filtering, and photovoltaic

Applications

- ✓ Pharmaceutical and biomedical
- ✓ Including sunscreens
- ✓ Biosensors, food additives
- ✓ Pigments
- ✓ Rubber manufacture
- ✓ Cancer cell imaging
- ✓ Agriculture industry
- ✓ Renewable energy, water treatment



Designed by : NANOSHEL LLC



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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