



# Silicon Oxide Dispersion

**Silicon Oxide Dispersion** is used as filler and also used in coatings. Silicon oxide has unique properties such as corrosion resistance and scratch resistance. It also increases surface hardness, improves UV light resistance and antiseptic effect. It could also offer the possibility to replace surface chrome passivation. It also decreases wear and friction coefficient. Silicon Oxide has been widely used for paints, galvanic coatings and also ink applications.

## Quick Facts

Purity	: 99.99 %
APS	: 5-35nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH <sub>2</sub> O)
Form	: Slurry, Suspension, Dispersion, Colloidal

## Properties

- ✓ Good electrical
- ✓ Excellent insulating
- ✓ piezoelectric
- ✓ Good electrical insulation
- ✓ Excellent corrosion resistance

## Applications

- ✓ Drug carriers, and gene delivery
- ✓ Used in the production of glass.
- ✓ Used as a Sedative.
- ✓ Used in the production of produce elemental silicon.
- ✓ Used as anti-caking agent in powdered foods like spices.
- ✓ Used as a fining agent in juice, beer, and wine.
- ✓ Used pharmaceutical tablets.
- ✓ Used in toothpaste to remove tooth plaque



Designed by : NANOSHEL LLC



ISO 9001:2015  
CERTIFIED COMPANY

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