

Silica Nano Dispersion



Silica Nano Dispersions are common additive in food production, where it is used primarily as a flow agent in powdered foods, or to absorb water in hygroscopic applications. It is the primary component of diatomaceous earth. Colloidal silica is also used as a wine, beer, and juice fining agent. In pharmaceutical products, silica aids powder flow when tablets are formed.

Quick Facts

Purity	: 99.9 %
APS	: 50-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Properties

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

Applications

- ✓ Drug carriers, and gene delivery
- ✓ Silicon for solar and electronic
- ✓ Scratch resistance of surface coatings
- ✓ Paints, galvanic coatings and in ink applications
- ✓ Excellent insulator
- ✓ Displays, sensing devices, low-cost disposable electronics
- ✓ Portable electronics, and low-power electronics
- ✓ Agricultural chemicals



Designed by : NANOSHEL LLC



20ZICE4589C



19ZAZGO1274G



20ZICE4588M

ISO 9001:2015
CERTIFIED COMPANY

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