

Tin Oxide Dispersion

Tin oxide dispersions is used widely to control air pollution and to detect toxic or smelling gases at low levels in the air and in the field of domestic and industrial applications. As the size of the particle decreases, the surface to volume ratio increases, this increases the number of oxygen sites on the surfaces in these reducing gas species and the sensitivity of nanocrystalline tin oxide.

Properties

- ✓ High sensitivity
- ✓ Low fabrication cost
- ✓ Enhanced thermal stability
- ✓ Good thermal stability
- ✓ Excellent dielectric properties
- ✓ Good electrical insulation

Quick Facts

Purity	: 99.9%
APS	: 20-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal



Tin oxide DISPERSION

Applications

- ✓ Transparent heating elements
- ✓ Anti-static coatings
- ✓ Electrodes and antireflection coatings in solar cells
- ✓ Gas sensors
- ✓ Energy-conserving coatings
- ✓ Optoelectronic devices
- ✓ Resistors
- ✓ Liquid crystal displays.

SnO₂
Dispersion



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