

# ATO

# Antimony Tin

## Oxide Dispersion

**Antimony Tin Oxide (ATO)** is a well-known optically transparent, infrared light insulating, and electrically conducting oxide that is commonly used in heat-insulating films, display electrodes and polymer light-emitting diodes (PLEDs). The performance of the nano-ATO dispersion determines the crucial properties of the thermal insulation glass paint, such as its transparency and its ability to block near-infrared rays. Also ATO nano dispersion has applications in LEDs, Scratch-resistance, solar energy, Conductive applications and many more.

## Quick Facts

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

## Properties

- ✓ Excellent quality of electricity and optics anti fungal, anti fungicide
- ✓ Good conductivity
- ✓ Thermal insulation
- ✓ Self lubricant
- ✓ Catalysts

## Applications

- ✓ Industry for coating
- ✓ Optoelectronic display device
- ✓ Transparent electrode
- ✓ Solar battery
- ✓ Liquid crystal display
- ✓ Catalysis
- ✓ Coatings and materials, can greatly improve wear and scratch resistance.
- ✓ UV protection tool

Designed by : **NANOSHEL LLC**

ISO 9001:2015  
CERTIFIED COMPANY

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