

**NS6130-02-219**

# ANTIMONY TIN OXIDE Nanoparticles

## Quick Facts

Product	:	Antimony Tin Oxide Nanoparticles
Stock No	:	NS6130-02-219
CAS	:	128221-48-7
Molecular Formula	:	SnO <sub>2</sub> :Sb <sub>2</sub> O <sub>3</sub>
Form	:	Powder

**Purity**  
99.9%

## Technical Specification

Bulk Density	Density	Melting Point	APS
≤0.95 g/cm <sup>3</sup>	5.20g/cm <sup>3</sup>	655°C	30nm

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.

## Application

- ✓ Corrosion-resistance
- ✓ LCDs and other lights and display devices
- ✓ Thermal insulation
- ✓ Solar energy



**SnO<sub>2</sub>:Sb<sub>2</sub>O<sub>3</sub>**  
**APS 30nm**



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CERTIFIED COMPANY

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