



Indium tin oxide is a key material in many electronic devices, as it has the unique properties of being both electrically conductive and optically transparent. ITO nanopowders have naturally become integrated and researched for each of these technologies. In the optoelectronic industry, it is mainly used to coat semiconductor sensor wirings and manufacture diverse electro-optical components and devices such as liquid-crystal screens, organic light-emitting diodes (OLEDs), and touch screens. Indium tin oxide layers protect image sensors of high-quality digital cameras. Due to its transparency and electrical conductivity, ITO is used for coating non-conductive materials such as plastics to prevent electrostatic charging.



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APPLICATIONS

- ✓ EMI and static protection
- ✓ Photovoltaic solar cells
- ✓ IR reflection
- ✓ Touch screens
- ✓ Battery inhibitors



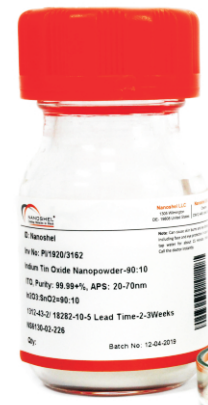
SPECS

- ✓ Purity: 99.9%
- ✓ Molecular Formula: In₂O₃:SnO₂
- ✓ Molecular Weight: 428.34g/mol
- ✓ Color: Yellow Green
- ✓ Density: 7.14g/cm³
- ✓ Melting Point: 1526-1926 °C
- ✓ Electrical Resistivity: 10⁻³ ~ 10⁻⁴ Ocm

All types of particles size are available in point micro and nano range.

CATALOGUE NO.

- NS6130-02-226
- NS6130-02-227



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