

ITO

Indium Tin Oxide Slurry

Indium Tin Oxide Slurry (ITO) is an optoelectronic material that is applied widely in both research and industry. ITO slurry can be utilized for many applications, for example, flat-panel displays, smart windows, polymer-based electronics, thin-film photovoltaics, glass doors of supermarket freezers, and architectural windows. Moreover, ITO thin films for glass substrates can be applied for glass windows to conserve energy.

Quick Facts

Purity	: 99.9 %
APS	: 50-80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal

Properties

- ✓ Improve the optoelectronic
- ✓ Electro-conductive
- ✓ Electrical conductivity
- ✓ Optical transparency
- ✓ Anti reflective
- ✓ Good thermal stability
- ✓ Excellent corrosion resistance

Applications

- ✓ Transparent electrodes in solar cells
- ✓ Liquid crystal displays (lcs),
- ✓ Organic
- ✓ Light-emitting diodes (oleds),
- ✓ Antistatic coatings,
- ✓ EMI shielding
- ✓ Transparent Conductive Coating
- ✓ AR Coating, IR Coating
- ✓ LCD, EL, OLED Displays, Touch panel
- ✓ Electronic ink
- ✓ Antielectro-magnetic spam screens



Designed by : NANOSHEL LLC



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