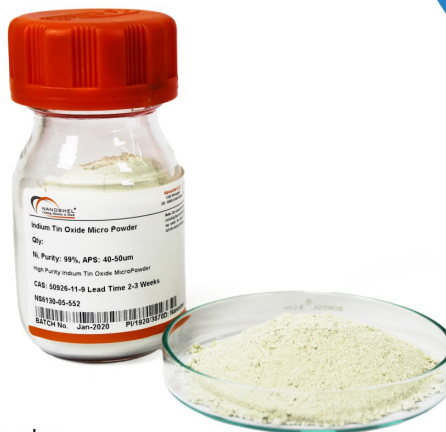


INDIUM

TIN OXIDE POWDER



QUICK FACTS

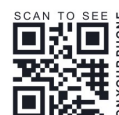
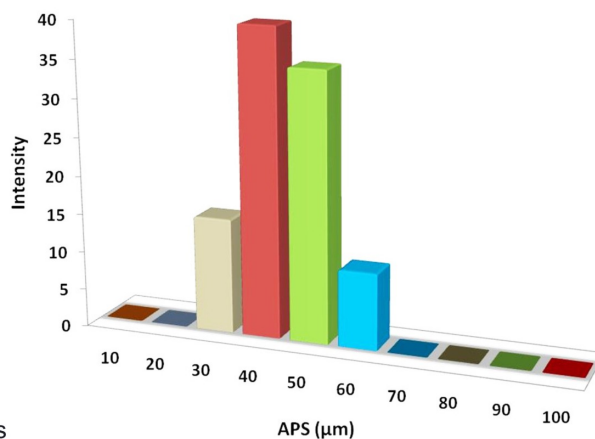
Product	: Indium Tin Oxide Powder
Stock No	: NS6130-05-552
CAS	: 50926-11-9
Color	: Greenish Yellow
Form	: Powder

Indium tin oxide (ITO) is a composition of indium, tin and oxygen. It can be either represented as a ceramic or alloy, it only depends on the oxygen content. It is now known that non- stoichiometric and doped films of oxides of tin, indium, cadmium, zinc and their various alloys manifest high transmittance and nearly metallic conductivity is achievable. However, tin doped indium oxide (ITO), has

high transmittance and conductivity. Indium tin oxide (ITO) is an optoelectronic material that is applied widely in both research and industry. ITO 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.

APPLICATIONS

- ✓ Flat-panel Displays
- ✓ Smart Windows
- ✓ Polymer-based Electronics
- ✓ Thin Film Photovoltaics
- ✓ Glass Doors Of Supermarket Freezers, and Architectural Windows



Additional Powder Characteristics

Stock No.	Purity	APS
NS6130-05-552	99%	40-50µm

Technical Specification

Molecular Weight	Melting Point
264.94 g/mol	1900 °C

Properties

✓ CAS No.: 1309-64-4

Chemical Composition

Product	Weight Percent (nominal)	Other Metal
Indium Tin Oxide Powder	99%	

Ordering Information and Stock Availability

- ✓ Product : Indium Tin Oxide Powder
- ✓ Distribution: Global
- ✓ Stock Availability: Available
- ✓ Packing Sizes: 25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders

Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

Safety Recommendations

Download MSDS/SDS NS6130-05-552 are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/indium-tin-oxide-powder>

    /nanoshel

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