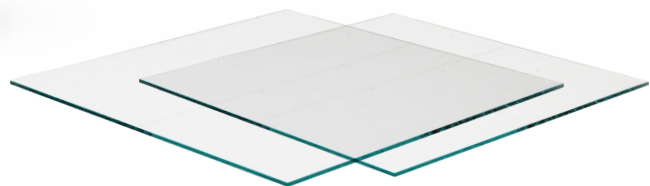
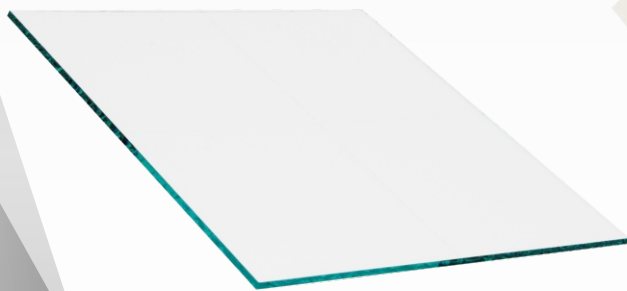


# ITO

Indium Tin Oxide  
Coated Glass



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# Indium Tin Oxide

## Coated Glass

# ITO

Indium Tin Oxide (ITO) coated glass slides is mostly for used in research and development. ITO (Indium tin oxide) conductive glass belongs to the group of TCO (transparent conducting oxide) conductive glasses. An ITO glass has a property of low sheet resistance and high transmittance. Indium tin oxide coatings provide excellent optical transmission. They are used for touch screens as well as for organic LEDs (OLED) and LCD-displays in digital devices. Indium tin oxide coatings can also be used to make IR-mirrors and FIR-filters because ITO coatings with low surface resistance and high film thickness have a good reflection in the upper infrared wavelength range. ITO coated glasses are used for transparent EMC/EMI/RFI shielding applications, for circuit substrates, heater and de-icing, antennas for mobile communication, Microscope slides, display technology, so on and so forth.

## Technical Specification

01

### ITO Coated Glass Slides for LCD

Stock No	:	NS6130-10-1100
Length	:	100mm
Width	:	100mm
Thickness	:	1.1mm
Resistance	:	< 10Ω/sq
Transmittance	:	>83%



02

### Indium Tin Oxide Coated Glass

Stock No	:	NS6130-10-1238
Length	:	50mm
Width	:	40mm
Thickness	:	1.1mm
Resistance	:	< 10Ω/sq
Transmittance	:	>83%



03

### ITO Coated Glass

Stock No	:	NS6130-10-1239
Length	:	100mm
Width	:	100mm
Thickness	:	1.1mm
Resistance	:	< 17Ω/sq
Transmittance	:	>83%



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# Technical Specification

# ITO

## 04

### ITO Coated Glass

Stock No	:	NS6130-10-1240
Length	:	100mm
Width	:	100mm
Thickness	:	1.8mm
Resistance	:	< 17Ω/sq
Transmittance	:	>83%



## 05

### Indium Tin Oxide Coated Slides

Stock No	:	NS6130-10-1241
Length	:	100mm
Width	:	100mm
Thickness	:	1.1mm
Resistance	:	< 7Ω/sq
Transmittance	:	>77%



## 06

### Indium Tin Oxide Coated Glass Substrates

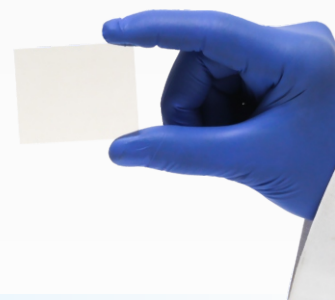
Stock No	:	NS6130-10-1242
Length	:	50mm
Width	:	40mm
Thickness	:	1.1mm
Resistance	:	< 10Ω/sq
Transmittance	:	>83%



## 07

### ITO Coated Glass Substrate

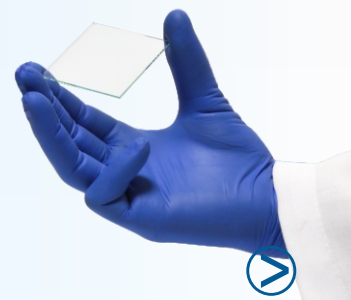
Stock No	:	NS6130-10-1243
Length	:	50mm
Width	:	40mm
Thickness	:	1.1mm
Resistance	:	< 17Ω/sq
Transmittance	:	>83%



## 08

### ITO Coated Glass Plates

Stock No	:	NS6130-10-1244
Length	:	50mm
Width	:	50mm
Thickness	:	1.1mm
Resistance	:	< 7Ω/sq
Transmittance	:	>77%



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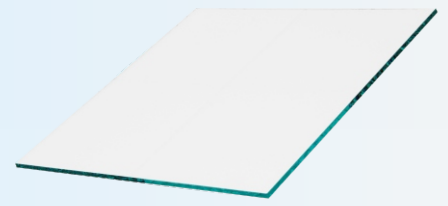
# Technical Specification

# ITO

## 09

### ITO Coated Glass

Stock No	:	NS6130-10-1245
Length	:	14"
Width	:	16"
Thickness	:	1.1mm
Resistance	:	< 10Ω/sq
Transmittance	:	>83%



## 10

### Indium Tin Oxide Glass Slides

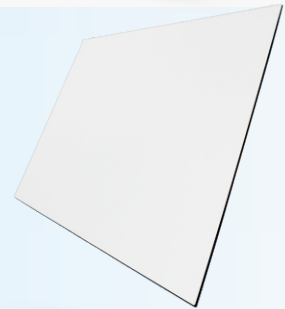
Stock No	:	NS6130-10-1246
Length	:	14"
Width	:	16"
Thickness	:	1.1mm
Resistance	:	< 17Ω/sq
Transmittance	:	>85%



## 11

### ITO Glass Slides

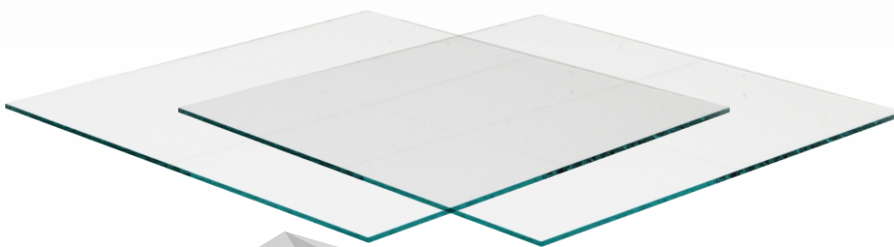
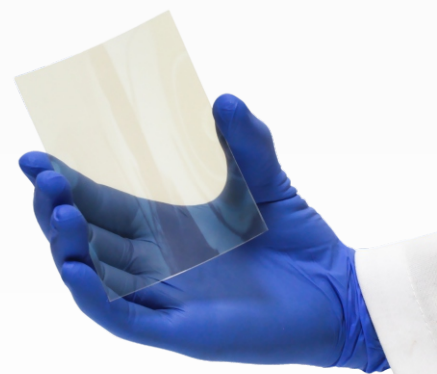
Stock No	:	NS6130-10-1247
Length	:	14"
Width	:	16"
Thickness	:	1.1mm
Resistance	:	< 7Ω/sq
Transmittance	:	>77%



## 12

### Indium Tin Oxide Coated PET

Stock No	:	NS6130-10-1248
Length	:	100mm
Width	:	100mm
Thickness	:	0.125mm
Resistance	:	< 40Ω/sq
Transmittance	:	>80%



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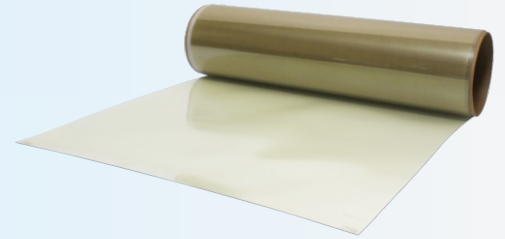
# Technical Specification

# ITO

## 13

### ITO Coated PET Sheet

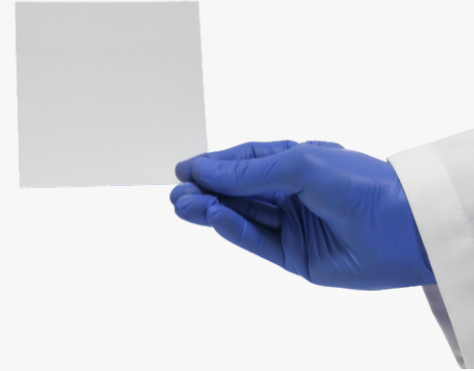
Stock No	:	NS6130-10-1249
Length	:	100mm
Width	:	100mm
Thickness	:	1.175mm
Resistance	:	< 15Ω/sq
Transmittance	:	>76%



## 14

### ITO Mirror

Stock No	:	NS6130-10-1250
Length	:	100mm
Width	:	100mm
Thickness	:	1.6mm
Resistance	:	< 15Ω/sq
Transmittance	:	>70%



## 15

### ITO Coated PET Film

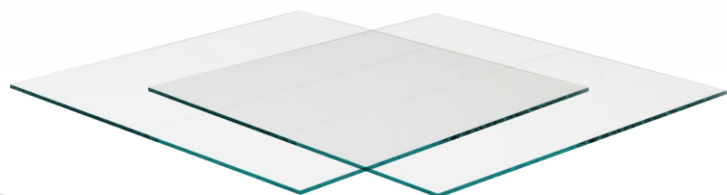
Stock No	:	NS6130-10-1251
Length	:	70mm
Width	:	100mm
Thickness	:	1.6mm
Resistance	:	< 15Ω/sq
Transmittance	:	>70%



## 16

### ITO Coated PET Sheet

Stock No	:	NS6130-10-1346
Length	:	16"
Width	:	16"
Thickness	:	1.1mm
Resistance	:	< 100Ω/sq
Transmittance	:	>83%



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# Properties of (ITO) coated glass



The key properties of ITO coated glass are as follows:

- ⇒ Highly transparent and electrically conductive coatings
- ⇒ Excellent light transmittance from the visible to the near-infrared range
- ⇒ Low surface resistivity
- ⇒ High optical transmittance
- ⇒ Scratch and abrasion resistant
- ⇒ Thermally stable up to high temperatures
- ⇒ Inert to a wide range of chemical
- ⇒ Low microroughness
- ⇒ Reflective for infrared wavelengths
- ⇒ Excellent coating adhesion
- ⇒ Structuring by laser or etching processes possible

## Applications

- ⇒ LCD and OLED displays
- ⇒ ITO-coated microscope slides for science and research
- ⇒ Micro structuring applications
- ⇒ Heatable microscope slides and coverslips for medical technology
- ⇒ Conductive and optically transparent coatings for touch screens and touch-sensitive display technology
- ⇒ Circuit substrates for electronics
- ⇒ Small-molecule Organic light-emitting diodes (OLED)
- ⇒ Conductive coatings for transparent electrodes
- ⇒ EMF/EMI/EMC/RFI and HF shielding glass
- ⇒ Flat antennas for digital mobile communication devices
- ⇒ Chip-on-glass (COG) and liquid crystal displays (LCD) (e.g. TN, STN)
- ⇒ Organic solar cells, biosensors, Electroluminescence devices
- ⇒ Reflective infrared filters
- ⇒ Coatings for de-icing windows, Infrared mirrors

## Packing Quantity

1 Piece, 2 Piece, 5 Piece, 10 Piece, & Bulk Orders



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