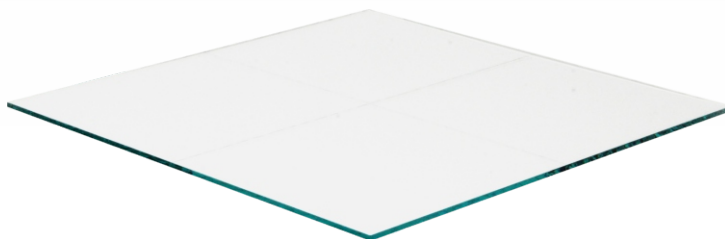


FTO





Fluorine Doped Tin Oxide
Coated Glass



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Fluorine Doped Tin Oxide Coated Glass

FTO

FTO Coated Glass (Fluorine doped Tin Oxide) conductive glass functional products have good thermal stability and weather resistance. Used widely for research and development purpose as well as in various industries. Fluorine-doped tin oxide (FTO) coated glass is electrically conductive and ideal for use in a wide range of devices, including applications such as optoelectronics, touch screen displays, thin-film photovoltaics, energy-saving windows, RFI/EMI shielding and other electro-optical and insulating applications.

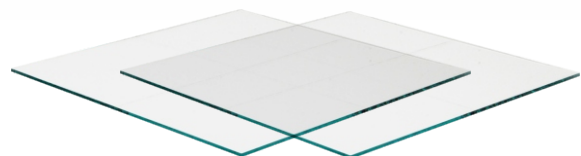
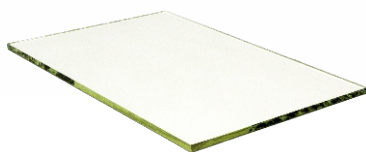
Technical Specification

FTO Coated Glass

Stock No	:	NS6130-10-1171
Length	:	150mm
Width	:	100mm
Thickness	:	3.2mm
Resistance	:	< 10Ω/sq
Transmittance	:	>77%

FTO Coated Glass Slides

Stock No	:	NS6130-10-1357
Length	:	100mm
Width	:	100mm
Thickness	:	1.6mm
Resistance	:	< 15Ω/sq
Transmittance	:	>83%



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Properties of (FTO) coated glass

FTO

The key properties of FTO 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

- ⇒ Thin film solar cells
- ⇒ Dye solar cells
- ⇒ Touch panels
- ⇒ Conductivity Measurements
- ⇒ Film or Layer Casting on FTO
- ⇒ Optical Devices and Liquid Crystal Displays (LCDs)
- ⇒ Organic Light Emitting Diodes (OLEDs)
- ⇒ Electroluminescent (EL) Devices
- ⇒ Photochromic Devices
- ⇒ DNA Immobilization and Detection
- ⇒ Sensors as well as Biosensors
- ⇒ Photovoltaic Devices (Organic and Inorganic)

Packing Quantity

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



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20ZICE4589C



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20ZICE4588M

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