

Technical Specification Datasheet

Product Name: Indium Tin Oxide (ITO) Coated PET Sheet

Product Series: TIPX

Coating Properties:

- Specified ITO Sheet resistivity – ≤ 100 ohms/sq
- Typical ITO Sheet resistivity – 90~110 ohms/sq
- Transmittance at 550nm – $\geq 83\%$
- ITO film Thickness~ 720 Å
- Sheet Thickness – 0.175 mm or 175 micron
- Haze – NA
- Heat resistance (R/R0) - ≤ 1.3 (@130°C, 30min)
- Heat storage (R/R0) - ≤ 1.3 (@90°C x 250hrs)
- High humidity storage (R/R0) - ≤ 1.3 (@60°C x 250hrs, 95% RH)
- Heat cycle (R/R0) - ≤ 1.3 (@-30°C~85°C x 50 cycle)
- Adhesives - Excellent (@1.0kg x 25 cycle with cloth)
- Surface check - Smooth, no holes, no patches and no stain
- Storage temperature - -30°C ~ +40°C
- Brand – Techinstro

Physical Properties:

- Configuration – Polyethylene terephthalate (PET) / ITO
- Substrate – Optical clear grade PET film / Hardcoated PET film
- Surface finished of glass – N/A
- Passivation layer – No
- ITO coating method – Magnetron sputtering at elevated temperature under vacuum
- ITO work function – 4.8 ~4.9eV (measured by UPS) after proper cleaning
- Surface Roughness – RMS1 ~10 nm, depend on the various product
- Packing - Sheet/roll form

Techinstro assures the above specification and dimensions of the product as per datasheet. We ensure the quality of the product with moisture proof packing. This sheet is also available on the website, where a researcher or purchaser can also download it merely by clicking on the pdf link. The terms and condition for the product purchase mentioned in the quotation. For safe product storage, tips and procedure provided with the material. For more queries, contact our technical support.