

ITO Coated PEN Sheet (TDS)

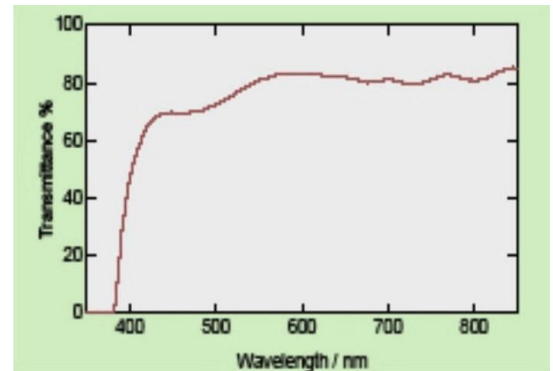
Techinstro ITO Coated PEN sheet is an electro-conductive plastic film for a transparent electrode. The polyethylene naphthalate (PEN) film is used as the substrate, which has high transparency, high thermo-stability, low moisture permeability, and high chemical stability.

Characteristic of PEN Film

Characteristic	Test Method	Values
Tensile Strength	Base on JLS C-2318	280 MPa
Tensile elongation	Base on JLS C-2318	90 %
Consecutive use temperature (mechanical)	UL-746B	160 °C
Consecutive use temperature (electrical)	UL-746B	180 °C
Glass transition point	TDFJ method by DMA	1550 °C
Melting point	DSC	269 °C
Breakdown voltage	JIS C-2318	300 Kv/mm
Dielectric constant (1KHz)	JIS C-2318	2.9
Absorbing water rate	TDFJ method	0.3 %
Density	JIS C-2151	1.36 g/cm ³
Flame resistance	UL-94	VTM-2

Specification of ITO PEN

Substrate	Polyethylene naphthalate
Size	Mention all size which we have it
Thickness of Film	0.125mm
Transmission	>80% @ 555nm
Sheet resistance	<15 ohms/sq



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