

Linqtape ITO-175



175 μ m Indium Tin Oxide film

- ≥ 76 Light Transmittance
- 5 ± 2 ohm/square surface resistivity
- 175 μ m thickness

LINQTAPE ITO-175 is a 175 μ m film made out of Indium Tin Oxide (ITO) backed on a PET substrate. ITO-175 is a n-type semiconductor material, which offers a unique combination of properties that are useful for a wide range of applications. The high conductivity and anti-static properties of the film make it ideal for electromagnetic shielding applications, while the high transparency and thin film properties are great for PDP plasma color TV windows, computer displays, printers, and other electronic devices.

LINQTAPE ITO-175 has exceptional high visible light transmittance and low resistivity, making ITO conductive film one of the most versatile and high-performance conductive materials available.

Specifications

Property	Value	Unit
Surface resistivity	5 ± 2	ohm/square
Transparency	≥ 76	%
Shielding performance	21db/30MHz~23db/1.5GHz	-
Temperature range	-60 to 150	$^{\circ}$ C
Thickness	175	μ m
Haze	2.5 ± 1	%
Adhesion	5B	B (ASTM D3359)
Hardness	-	H
Heat Shrinkage (MD)	≤ 0.8	%
Heat Shrinkage (TD)	≤ 0.3	%
Warpage	≤ 10	%

Storage and Handling

Shelf life is 2 years if stored in a dry and cool, well ventilated place at room temperature.

The product is supplied in rolls and should be kept in a cool (10° C – 25° C) dry place (<65% humidity) away from direct sunlight or temperature extremes. Once removed from packaging it should be protected against dust and other impurities.

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