

# 鴻銳科技股份有限公司

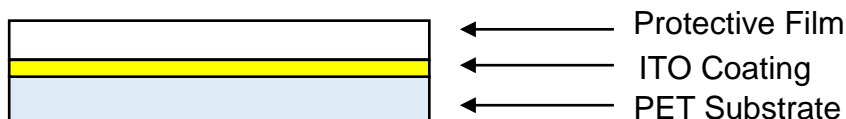
Acute Touch Technology Co., Ltd

320桃園縣中壢市南園二路8號 Tel: (03)-433-1508 Fax: (03)-433-1507 統編: 53055480  
 No.8, Nanyuan 2nd Rd., Zhongli City, Taoyuan 320, Taiwan Tel: +886-3-433-1508 Fax: +886-3-433-1507

## Acute Touch ITO Film FE-3612

FE-3612 ITO Film 為透明導電膜，可應用於各式電激發光元件，電熱元件，或各式觸控面板之導電層電極。

Film Stack Up Structure



FE-3612 Specification					
Parameters		Unit	Specification		
Substrate Thickness		μm	188		
Substrate Width		mm	420		
Effectively Width		mm	380		
Surface Resistance (After annealing 130°C/30 min) (ASTM D257)		Ω/□	33±2		
Uniformity (ASTM D257)		%	≤ ±10		
Haze (ASTM D1003)		%	< 3		
Total Transmission (ASTM D1003)		%	≥ 80		
Transmission at 440nm (ASTM D1003)		%	≥ 88		
Transmission at 550nm (ASTM D1003)		%	≥ 83		
ITO Tape Adhesion (JIS K5600)		-	5B		
Lab Value (b*) (ASTM D1003)		-	11.5±1		
Heat Shrinkage (130°C, 30 mins)	MD	%	≤ 0.3		
	TD	%	≤ 0.3		
Heat Curling (130°C, 30 mins)	MD	mm	≤ 5		
	TD	mm	≤ 5		
Reliability Performance					
Parameters		Unit	R/R <sub>0</sub>	ΔHaze	ΔT.T
High Temp. (80°C), 240 hrs		%	≤ 1.2	≤ 1.0	≤ 1.0
Damp Heat (60°C at 90% RH), 24 hrs		%	≤ 1.2	≤ 1.0	≤ 1.0
Chemical (Acetone, Alcohol, Toluene)		%	≤ 1.2	≤ 1.0	≤ 1.0