



ITO Glass Patterning and Components

We can supply OLED, OPV grade ITO, Indium Tin Oxide, transparent conductive coated glass. The ITO is deposited onto polished soda lime float glass in two standard smooth thicknesses giving 9~15 ohms per square and 4~6 ohms per square. Then SiO₂ barrier coating is deposited between the ITO and glass.

• ITO glass specification and Patterning Process

Product No.	LT-G001/LT-G001PT	LT-G002/LT-G002PT
ITO Thickness	: 1200~1600 Å	: 3100~3700 Å
ITO Resistance	: 9~15 Ω/sq	: 4~6 Ω/sq
ITO Transparency	: >84% (at 550 nm)	: >78% (at 550 nm)
Material	: Polished soda lime glass	
Size	: 370*470 mm or Customize	
Glass Thickness	: 0.7 or 1.1mm	: 0.7mm
SiO ₂ Thickness	: ≥ 200 Å	
R _a	: Less than 6 nm	
R _{max}	: Less than 35 nm	

Including custom photomask, we can supply the ITO glass cutting, cleaning and patterning service to customer requirements. The specialized pattern masking process is used which allows us to offer quantities ranging from small scale prototyping of research requirements to full scale production volumes.

The process limitations are

- Maximum patterning area 150*150 mm
- Minimum feature dimension 0.02 mm
- Minimum spacing 0.15 mm
- Positioning accuracy 0.1 mm



We use the newest glass cutting machine with high precision and efficiency to shorten the lead time with the lower price.

In addition to offer the cutting and cleaning service of bare glass/sandblasted glass for the use of cover. Smaller pieces can be cut and supplied to customer requirements.

• Glass Cover Specification

Product No.	LT-G000/LT-Cover
Size	: 370*470 mm or Customize
Thickness	: 0.7 or 1.1mm
Mohs Hardness	: 6.5
Thermal Expansion	: 85-90 (at 20 ~ 350 °C)
Specific Heat	: 0.19 cal/g °C (at 0 ~ 50 °C)
Transmittance	: > 90%
Resistivity	: 15.3 Log Ω-cm (at 25 °C), 7.3 Log Ω-cm (at 250 °C)

Our products are used for testing and research purpose; they are not guaranteed in patent contention by customer use.

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