

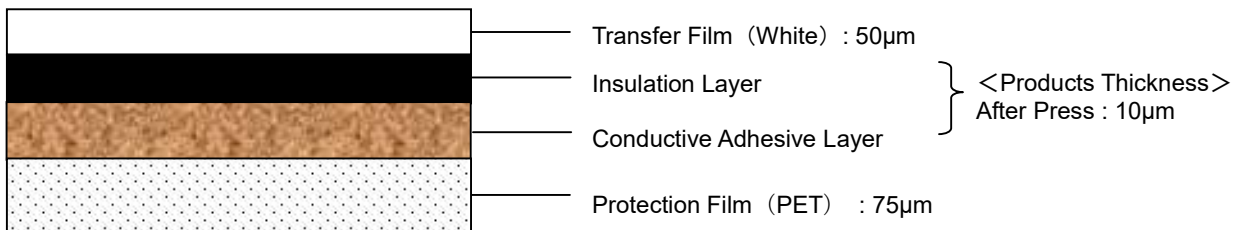
# LIOELM TSS™310

## [Characteristics]

This electromagnetic wave shield film for FPC has high shield property / high flexibility / lead-free solder durability.

Ideal for Mobile Phone Hinge / Display Module, which requires less noise.

## [Structure]



## [Technical Data]

Product Name	TSS310
Transfer Film	50µm PET
Shield Layer	Urethane resin based
Protection Film	75µm PET
Thickness of Shield Layer	10µm (after press)
Shielding Effect	More than 40dB (1GHz)
Surface Resistance	Less than 300mΩ/□
Peel Strength (PI)(N/10mm)	More than 3N

Above data are based on internal test results and are not guaranteed.

### <Peel Strength Measurement Conditions>

- Structure : Kapton200EN/(Conductive Layer Side)TSS(Insulation Layer Side)/  
Adhesive Sheet/Kapton200EN
- Laminating Conditions : Laminate 90°C → Press 150°C x 2MPa x 30min.
- Peel Speed : 50mm/min.
- Peel Angle : 90°

## [How to Apply (Quick Press) ]

- 1) Release protection film from conductive layer.
- 2) Laminating on FPC (Tentative fastening).
- 3) Heat press on insulation layer side with transfer film under vacuum condition more than 3 min.
- 4) Release transfer film.
- 5) Post cure.

## [How to Apply (Only Press)]

- 1) Release protect film from conductive layer.
- 2) Laminating on FPC (Tentative fastening).
- 3) Heat press on insulation layer side with transfer film over 30 min.
- 4) Release transfer film.

## [Recommended Press Condition]

	Press Conditions			Post Cure	
	Temp.	Press	Time	Temp.	Time
Quick Press & Post Cure	150±10°C	1~3MPa	More than 3min.	160±10°C	More than 1hr.
Only Press	150±10°C	1~3MPa	30~60min.	—	—

## [Notice of Storage Condition]

- TSS310 should be stored under 10°C / 70%RH.
- Please leave the shield film stored under refrigerating condition at room temperature for adequate time.
- Recommended restoration time is more than 7 hours.
- If it takes time from cutting process to heat process, please keep them under a refrigerating storage.