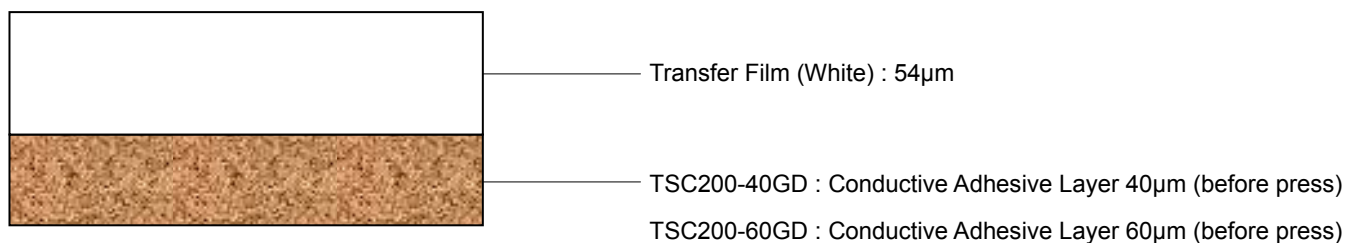


LIOELM® TSC200 series

[Characteristics]

This conductive adhesive sheet for FPC has excellent humidity resistance / excellent flexibility / excellent electrical conductivity. Originally designed urethane resin based.

[Structure]



[Technical Data]

Product Name	TSC200-40GD, TSC200-60GD
Release Film	54µm PET
Conductice Adhesive Layer	Urethane resin based
Thickness of Adhesive Layer	TSC200-40GD : 40µm (before press) TSC200-60GD : 60µm (before press)
Surface Resistance	Less than 300mΩ/□
Peel Strenth (PI) (N/10mm)	More than 5N
Heat Resistance 260°C Peek Reflow	Pass
UL94 Flame Class	VTM-1 *kapton200H/TSC/kapton200H

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

<Peel Strength Measurement Conditions>

- Structure : PI / TSC / SUS
- Laminating Conditions: Laminate 130±10°C → Press 170°C × 2Mpa × 3min. → Post Cure 160°C × 1hr.
- Peel Speed : 50mm/min.
- Peel Angle : 90°

[How to Apply]

- 1) Laminate TSC200 on SUS Stiffener.
- 2) Remove the release film, then press TSC200/SUS on FPC.
- 3) Post cure.

[Recommended Pre-fix Condition to SUS]

The heated rollers at $130 \pm 10^\circ\text{C}$, under 0.5M/min, over 0.3MPa is recommended.

[Recommended Pre-fix Condition to FPC]

The heated pre-press at $130 \pm 10^\circ\text{C}$, over 15 sec, over 0.3MPa is recommended.

[Recommended Press Condition]

	Press Conditions			Post Cure	
	Temp.	Press	Time	Temp.	Time
Quick Press & Post Cure	$170 \pm 10^\circ\text{C}$	1~3MPa	More than 3min.	$160 \pm 10^\circ\text{C}$	More than 1hr.
Only Press	$170 \pm 10^\circ\text{C}$	1~3MPa	More than 60min.	—	—

[Notice of Storage Condition]

- TSC200 should be stored under 10°C / 70%RH.