

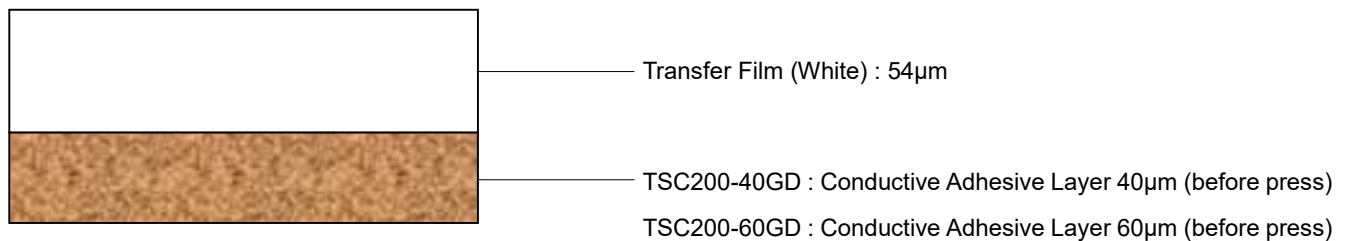
LIOELM TSC™200 series

[Characteristics]

This conductive adhesive sheet for FPC has excellent humidity resistance / excellent flexibility / excellent electrical conductivity.

Originally designed urethane resin based. Ideal for Camera Module.

[Structure]



[Technical Data]

Product Name	TSC200-40GD, TSC-200-60GD
Release Film	54µm PET
Conductice Adhesive Layer	Urethane resin based
Thickness of Adhesive Layer	TSC200-40 : 40µm (before press) TSC200-60 : 60µm (before press)
Surface Resistance	Less than 300mΩ/□
Peel Strength (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 100°C → Press 170°C × 2Mpa × 5min. → Post Cure 160°C × 1hr.
- Peel Speed : 50mm/min.
- Peel Angle : 90°

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[How to Apply]

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

[Recommended Lamination Condition]

The heat press, or heated rollers at $130\pm 10^{\circ}\text{C}$ for over 10 seconds is recommended.

	Pre-Fix Conditions		
	Temp.	Pressure	Time
Lamination	$130\pm 10^{\circ}\text{C}$	More than 0.3Mpa (More than 3 kg/ cm ²)	More than 10sec.

[Recommended Press Condition]

	Press Conditions			Post Cure	
	Temp.	Pressure	Time	Temp.	Time
Quick Press & Post Cure	$170\pm 10^{\circ}\text{C}$	$2\pm 0.5\text{Mpa}$ ($20\pm 5\text{ kg/ cm}^2$)	More than 5min (Vacuum 10sec).	$160\pm 10^{\circ}\text{C}$	More than 1hr.
Only Press	$170\pm 10^{\circ}\text{C}$	$2\pm 0.5\text{Mpa}$ ($20\pm 5\text{ kg/ cm}^2$)	More than 60min.	—	—

[Notice of Storage Condition]

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