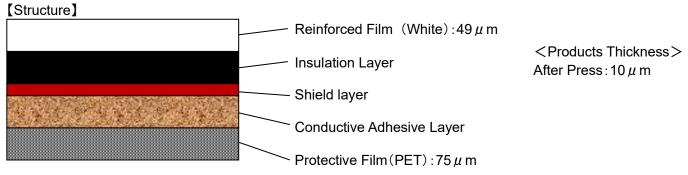


# LIOELM® TSS500Z K2

## [Characteristics]

This Electromagnetic Wave Shield Film is designed for high-speed transmission circuit. TSS500Z K2 has an excellent flexibility / excellent electrical conductivity / excellent humidity resistance.

TSS500Z K2 is advanced EMI shielding film for next generation high-speed transmission devices. Our product offers transmission loss decrease.



#### [Technical Data]

ICCIIIICAI Data		
Product name	TSS500Z K2	
Reinforced film	49um PET	
Insulation layer	Modified urethane resin based 4 ± 2µm	
Shield layer	Metal layer 2µm	
Conductive adhesive layer	Modified urethane resin based 4 ± 2µm	
Protective film	75um PET	
Thickness of Shield layer	11 ± 4 μm	
Thickness of Shield layer	10 ± 3 μm	
Shielding Effect	More than 80dB(1GHz)	
Surface resistance	Less than 50m Ω/□	
Peel Strength (PI)	More than 3N/cm	

Above data is our self-conducted test result but not our guaranteed performance.

- <Peel strength measurement conditions>
- 1.Structure: Kapton200H/(Conductive layer Side)TSS(Insulation layer Side)/Adhesive sheet/Kapton200EN
- 2.Laminating conditions: Laminate 90°C→Press 150~160°C-2MPa-30min
- 3.Peel speed: 50mm/min
- 4.Peel angle:90°

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## [How to apply (Quick Press)]

- 1) Release Protect 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 to avoid void.
- 4) Release Transfer film
- 5) Post Cure

### [How to apply (Only Press)]

- 1) Release Protect film from conductive layer
- 2) Laminating on FPC with roll laminator(Tentative Fastening)
- 3) Heat Press on Insulation layer side with Transfer film over 30 min.

Vacuum press is recommended to avoid void.

4) Release Transfer film

#### [Recommended Press Condition]

	Press condition			Post Cure	
	Temp	Press	Time	Temp	Time
Quick Press & PostCure	150~160°C	2~3MPa	More than 3min	150~160°C	More than 1h
Only Press	150~160°C	2~3MPa	More than 60min	-	-

Note:Please decide the press condition after you evaluate in advance.

[Notice of Storage Condition]
□TSS500Z K2 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

Created July 2024, Revised August 2025

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