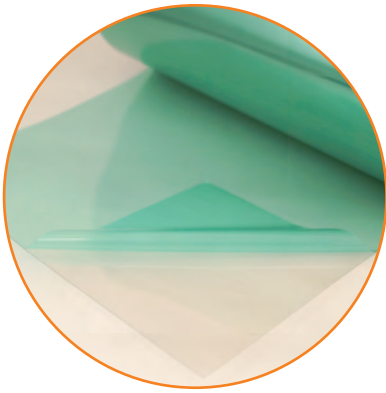


Transparent Conductive Film

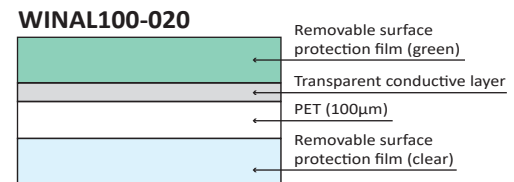
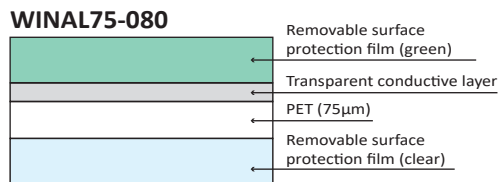
WINAL Series



Excellent EMI shielding around
LCDs and other apertures

- Low surface electric resistance gives higher shielding effectiveness
- Electrically conductive film with superior optical transparency
- Custom sheet cutting, punching, adhesive tape attachment etc. available upon request

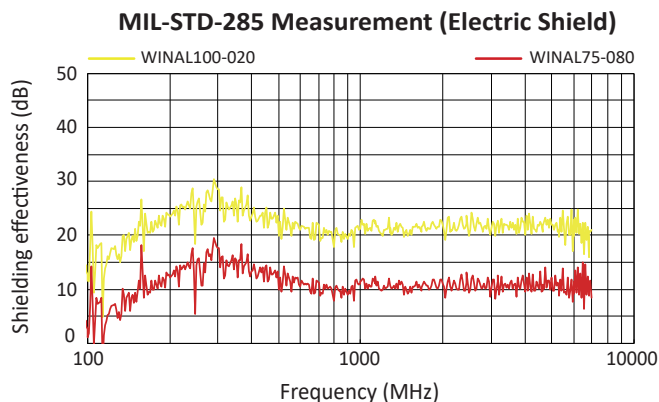
Cross-section view



Specification

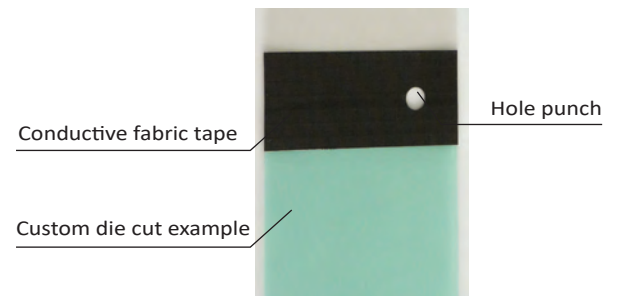
Part Number	WINAL75-080	WINAL100-020
Thickness (μm)	75	100
Shielding Effectiveness (db/1GHz)	10	22
Total Light Transmittance (%) *JIS K 7136	76	76
Surface Resistance (Ω/□) *JIS K 7194	80	20
Flame Resistance *UL94	VTM-2 equivalent	VTM-2 equivalent
Operating Temperature (°C)	-30 - 80	-30 - 80
*Test method		

Characteristics



Custom liner options

- Addition of conductive fabric tape layer
- Custom die cutting
- Hole punching



Please request for detailed product specification data prior to purchase



KITAGAWA INDUSTRIES America, Inc.

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Transparent Conductive Film_WINAL Series_REV2_08182026