

# TRANSPARENT SHIELDING FOIL 9900

Transparent EMI/RFI-shielding foil



Transparent shielding foil with specialty of one side conductive meanwhile optical transmittance, is widely used for applications of EL panel, LCD EMI shielding, touch screen, flexible solar cell etc.

Transparent EMI/RFI-shielding foil 9900 series is a polyester film with a transparent conductive coating. The foil provides excellent electric and electromagnetic shielding of 40-70 dB at 10 kHz to 300 Mhz and 25-40 dB from 300 MHz to 22 Ghz.

In addition to EMI/RFI/EMC shielding it is also used for grounding and static discharge applications. Typical applications are transparent shielding panels for visual displays in instrumentation equipment, control panels and computers. The light transmission is 65-95%, depending on the electrical conductivity (20-5 Ohm/sq).

Due to its transparency, Transparent EMI/RFI-shielding foil 9900 series is the optimal choice for optical clarity.

For TEMPEST sites or radar/telecom protection, large dimensions are available.

If you have a drawing of a specific shape you require, please send it to [info@hollandshielding.com](mailto:info@hollandshielding.com) for a quotation.

## APPLICATIONS

- Transparent shielding foil for LED glass
- Transparent conductive layer for transmitting electron
- Transparent shielding foil for capacity touch key
- ITO Film with high light transmittance is used as the transparent conductive layer for transmitting electron

## OPTIONS

- Finished with silver busbar
- Copper grounding contact
- Conductive self-adhesive

## PRODUCT PROPERTIES

Part number	9900 5 Ohm	9900 50 Ohm
Total thickness (micron)	125	125
Maximal roll width (mm)	1220	1220
Electrical resistance (ohms/sq.)	5	50
Visable light transmission (%Tvis)	85	87.5
Haze (%)	< 2.0%	< 2.0%
Color Tb (illuminant C, Obs. 2º)	2.5	1.5
Coating adhesion (R/Ro)	1.0	1.0
Shielding effectiveness	25- 70 dB (10 kHz – 22 GHz)	

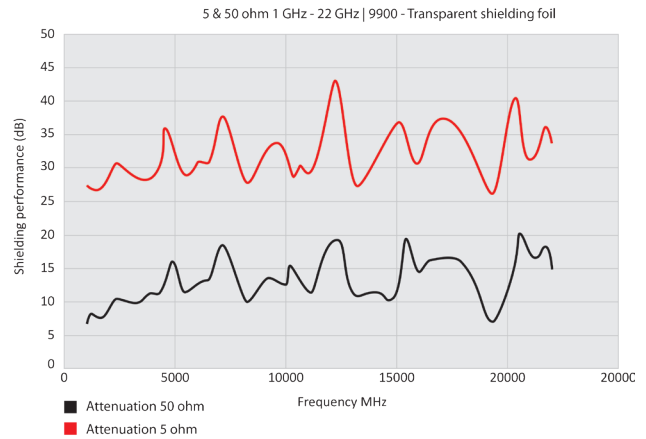
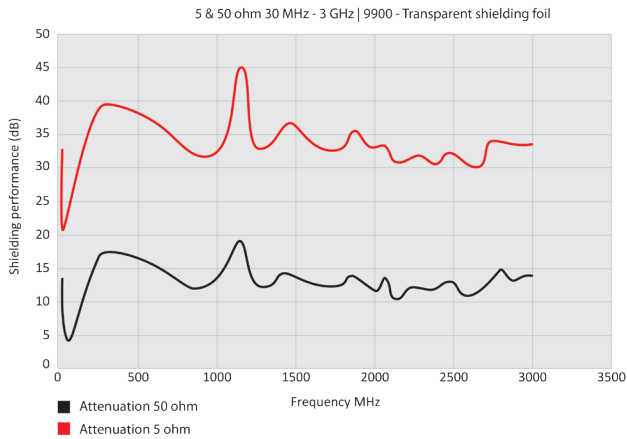


any width can be produced



## » TRANSPARENT SHIELDING FOIL 9900

### SHIELDING PERFORMANCE\* (DB)



### SHEET STYLES

Sheet style #1STD	Sheet style #2BAR	Sheet style #3CAR
Standard transparent EMI-shielding foil. No extra contact edge. There is electrical conduction on the top side of the foil.	Transparent EMI-shielding foil with silver busbar.	Transparent EMI-shielding foil with copper edges for grounding.

### MOUNTING

A connection can be made between the conductive side of the Transparent EMI/RFI-shielding foil 9900 series and a conductive mounting surface of the construction with Shielded tape 3201 or it can be clamp mounted with Ultra soft shield 7400.

**Please note:** These values are measured under laboratory conditions. Results may vary in other situations. Please read our Guarantee.

\* For high shielding performance, see Mesh foil 9000 series or Ready mesh foil windows 9700 series.

### ORDER EXAMPLE

Series	Width (mm)	Height (mm)	Adhesive	Sheet style
9900	Width of the visible area in mm	Height of the visible area in mm	01 : Self-adhesive 02 : Without self-adhesive	#1STD : Standard transparent foil #2BAR : Finished with silver busbar #3CAR : With copper grounding contact