

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.

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.

Contact us if you have a drawing of a specific shape you require.

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
Heat stabilized PET residual shrinkage value (% TD and % MD)	< 0.2	< 0.2
Visible light transmission (% Tvis)	85	87.5
Haze (%)	< 2.0%	< 2.0%
Coating adhesion (R/Ro)	1.0	1.0

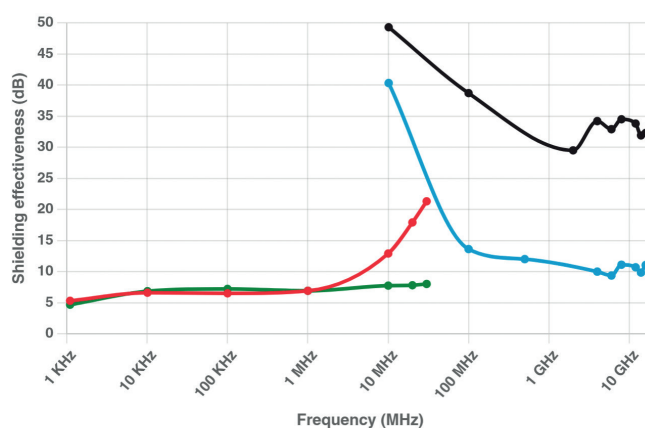
APPLICATIONS

- Shielding for windows/displays and resistive touch-screens.

OPTIONS

- Standard transparent EMI-shielding foil
- Transparent EMI-shielding foil with silver busbar
- Transparent EMI-shielding foil with copper edges for grounding

SHIELDING PERFORMANCE*



- 9900 - Transparent EMI/RFI-shielding foil 5 ohms magnetic
- 9900 - Transparent EMI/RFI-shielding foil 50 ohms magnetic
- 9900 - Transparent EMI/RFI-shielding foil 5 ohms electric+planewave
- 9900 - Transparent EMI/RFI-shielding foil 50 ohms electric+planewave

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



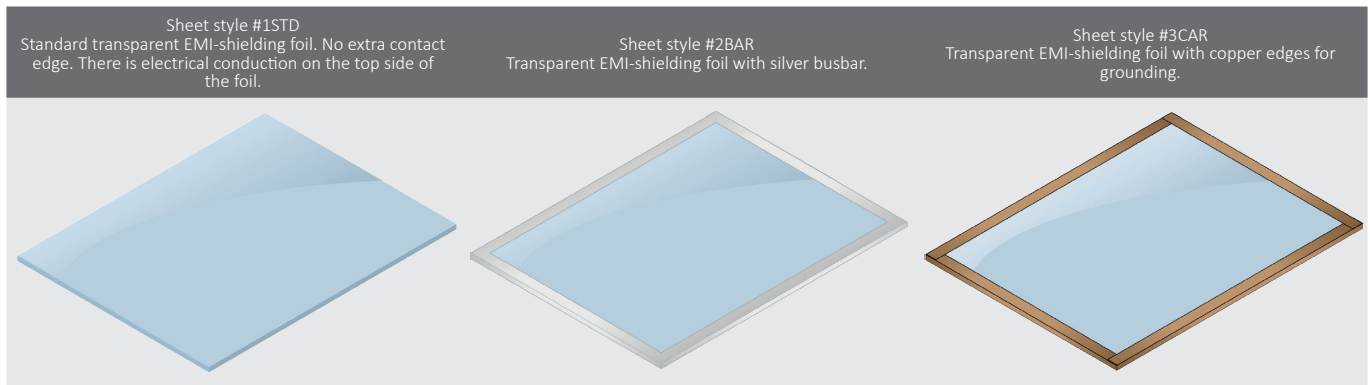
MICRO SUCTION SILICONE ADHESIVE

For easy manual application of the foil, we have developed a Micro Suction Silicone adhesive. This adhesive has a number of advantages that make the film easy to position. Our advise is to use standard adhesive only for laminating machines or very very experienced people. For all else use this Micro Suction Silicone Adhesive.

BENEFITS

- Reusable / Repositionable
- Never attach permanently
- Easily applied by hand, less bubbling

SHEET STYLES



Please note: The top layer can be affected by acid, for example from the human skin. To protect the conductive layer, you can apply a transparent film or use the non-conductive side on top. Transparent protective foil containing Micro Absorbent Silicone adhesive has a thickness of 370 microns / 0.37 mm.

Looking for the highest optical quality in transparent EMI shielding? Discover our 9400 Transparent EMI shielding copper grid PET film

ORDER EXAMPLE

Series	Width (mm)	Length (mm)	Adhesive	Sheet style
9900	Width of the visible area in mm	Length 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

