

WIN-SHIELD™ AgF8 Conductive Film

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Chomerics' AgF8 conductive film is a multi-layer, silver oxide-based thin film coating applied to a heat stabilized, optical quality polyester film. AgF8 film provides high visible light transmission and significant infrared reflectance.

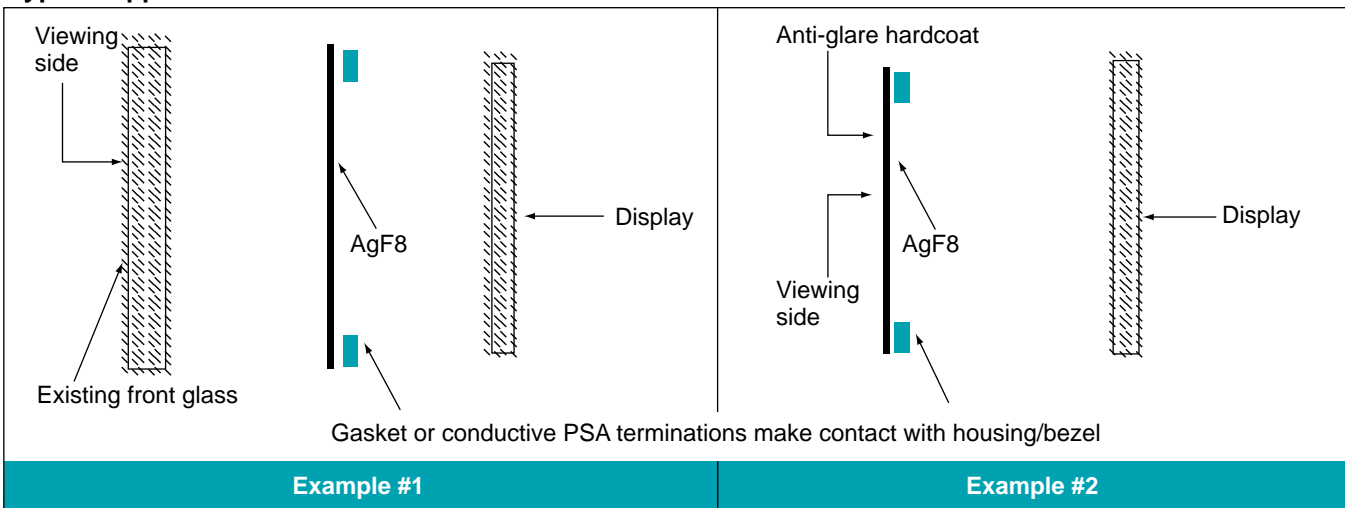
The silver coating also provides high electrical conductivity, making AgF8 film a good EMI shielding material from 1 MHz to 1 GHz, suitable for use in most display applications. The attenuation profile, ignoring aperture effects, is shown in Table 2.

AgF8 conductive film is an ideal EMI shielding medium for applications where optical quality cannot be specified. Examples include high resolution CRT displays, multi-color displays, LCDs and EL displays. AgF8 conductive film will reflect heat for temperature-sensitive LCD applications.

Ordering Procedure

AgF8 coating is available as an unsupported film, in lengths up to 500 ft. (150 m). Nominal thickness is 0.008 inch (0.2 mm) and maximum width is 48 inches (122 cm).

Typical Applications



Contact our Applications Engineering Department to review your requirements.

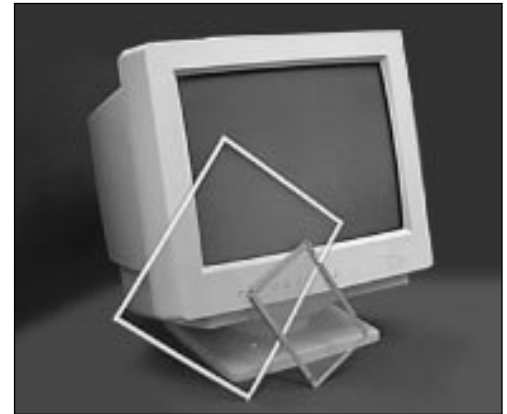


Table 1

WAVELENGTH (NM)	LIGHT TRANSMISSION (%)	REFLECTION (%)
400	60	10
500	82	6
550	82	5
600	80	6
650	76	10
1200	35	55
1500	20	74

Table 2

FREQUENCY	ATTENUATION (dB)
1 MHz (E-Field)	100
10 MHz (E-Field)	60
100 MHz (E-Field)	54
1 GHz (Plane Wave)	24
10 GHz (Plane Wave)	19

Table 3

TYPICAL PROPERTIES	
Surface Resistance, ohms/sq.	8-12
Visible Light Transmission, %	80
Thickness, inch (mm)	.007-.008 (0.175-0.200)
Environmental Stability Humidity: 140°F (60°C), 95% RH Dry Heat: 212°F (100°C) Saturated NaCl	120 hrs. with no change in resistance