

Parker Chomerics WIN-SHIELD® AgF8 Conductive Film

Category : Polymer , Film

Material Notes:

Description: 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. 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. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-WIN-SHIELD-AgF8-Conductive-Film.php

Physical Properties	Metric	English	Comments
Thickness	175 - 200 microns	6.89 - 7.87 mil	

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Typical
	20 %	20 %	74% Reflection
	@Wavelength 1500 nm	@Wavelength 1500 nm	
	35 %	35 %	55% Reflection
	@Wavelength 1200 nm	@Wavelength 1200 nm	
	60 %	60 %	10% Reflection
	@Wavelength 400 nm	@Wavelength 400 nm	
	76 %	76 %	10% Reflection
	@Wavelength 650 nm	@Wavelength 650 nm	
	80 %	80 %	6% Reflection
	@Wavelength 600 nm	@Wavelength 600 nm	
	82 %	82 %	6% Reflection
	@Wavelength 500 nm	@Wavelength 500 nm	
	82 %	82 %	5% Reflection
	@Wavelength 550 nm	@Wavelength 550 nm	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	8.0 - 12 ohm	8.0 - 12 ohm	

Electrical Properties	Metric	English	Comments
Shielding Effectiveness	@Frequency 1.00e+10 Hz	@Frequency 1.00e+10 Hz	Plane Wave
	24 dB	24 dB	Plane Wave
	@Frequency 1.00e+9 Hz	@Frequency 1.00e+9 Hz	
	54 dB	54 dB	E-Field
	@Frequency 1.00e+8 Hz	@Frequency 1.00e+8 Hz	
	60 dB	60 dB	E-Field
	@Frequency 1.00e+7 Hz	@Frequency 1.00e+7 Hz	
	100 dB	100 dB	E-Field
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Environmental Stability	120 hrs with no change in resistance	Humidity: 60°C, 95% RH
	120 hrs with no change in resistance	Dry Heat: 100°C
	120 hrs with no change in resistance	Saturated NaCl

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