

Parker Chomerics Tecknit ECTC™ Windows Electrically Conductive Transparent Coating

Category : Polymer , Thermoplastic , Adhesives, Sealants, and Coatings , Polyester, TP , Polyester Film

Material Notes:

Description: ECTC WINDOWS are custom designed optical display panels produced by depositing a very thin electrically conductive transparent coating directly onto the surface of various optical substrate materials to provide high EMI shielding performance coupled with good light transmission properties. Typical Applications: Applications of ECTC WINDOWS are found in equipment requiring visual displays where the viewing panel must also serve to reduce the radiated electromagnetic energy entering or leaving the device. Substrate Materials: Most transparent plastic and glass sheet material are suitable for ECTC coating. However, even those optical substrate materials with high quality surfaces, have minute surface imperfections which become more apparent after coating. In most applications these blemishes will not degrade the appearance of the finished window or the shielding performance. Information provided by Chomerics

Order this product through the following link:

http://www.lookpolymers.com/polymer_Parker-Chomerics-Tecknit-ECTC-Windows-Electrically-Conductive-Transparent-Coating.php

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 65.0 °C | 149 °F | Acrylic |
| | 85.0 °C | 185 °F | Glass |
| Minimum Service Temperature, Air | -55.0 °C | -67.0 °F | Acrylic |
| | -55.0 °C | -67.0 °F | Glass |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------------------------|
| Transmission, Visible | 90 % | 90 % | transparent; thickness not quantified |

| Electrical Properties | Metric | English | Comments |
|--------------------------------|-----------------------|-----------------------|------------|
| Surface Resistivity per Square | 10 - 18 ohm | 10 - 18 ohm | Coating |
| Shielding Effectiveness | 20 dB | 20 dB | H-Field |
| | @Frequency 100000 Hz | @Frequency 100000 Hz | |
| | 30 dB | 30 dB | Plane Wave |
| @Frequency 1.00e+9 Hz | @Frequency 1.00e+9 Hz | | |
| | 90 dB | 90 dB | E-Field |
| | @Frequency 1.00e+7 Hz | @Frequency 1.00e+7 Hz | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China