

Transparent Conductive Coating For Plastic Substrates

Coatings #969, #1258 & #1255



General Description

ECI offers a variety of films designed specifically for deposition onto plastic optics and windows. These films are typically used for RFI/EMI shielding or to achieve permanent anti-static properties.

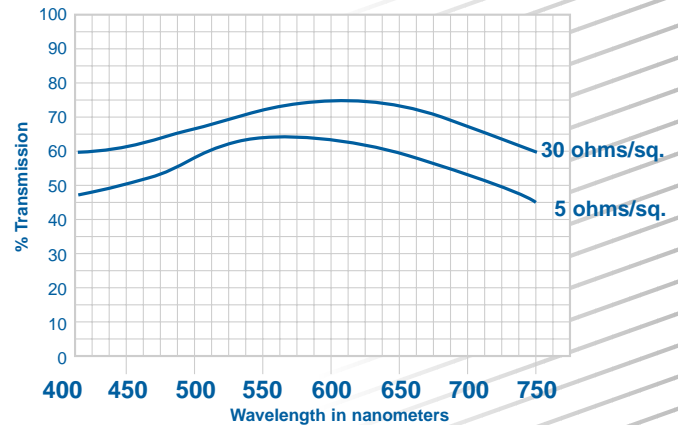
ECI #969 is used to shield against Radio Frequency and Electromagnetic Interference. This vacuum deposited thin film exhibits excellent optical clarity and environmental stability. The coating is available in standard ranges from 5 ohms per square with 65% photopic transmission to 30 ohms per square with 75% photopic transmission. This film attenuates up to 40 db in the 10 KHz to 20 Ghz frequency range. ECI #969 is suitable for any application where electrical noise has the potential to leak into a device through a window and disrupt its performance.

ECI #1258 combines high visible transmission and permanent static control. The most common design transmits 80-85% visible light and has below 20,000 ohms per square surface conductivity. This coating is particularly suited for plastic display windows and other plastic components that are susceptible to lint and particulate buildup or are part of a device that has ESD requirements.

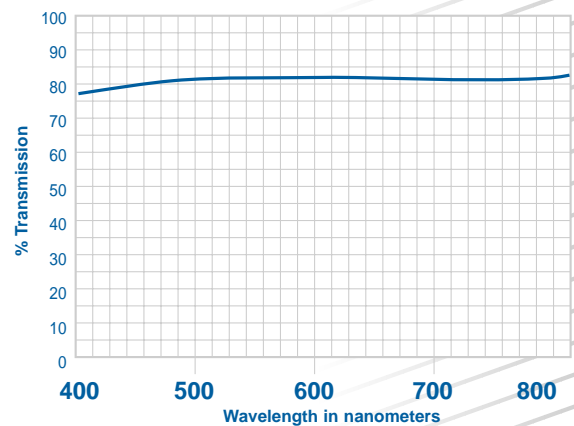
ECI #1255 is a variation of our standard low reflection V-coat for plastic that also dissipates static buildup. This film typically has 1500 ohms/square surface conductivity, first-surface reflection less than 0.5% and absorption less than 2%. This design is commonly used on bar-code scanner windows or other plastic optical components where high laser transmission and anti-static properties are desired.

ECI can supply a display window complete to your specification including substrate material, silver grounding busbars, anti-reflection and transparent conductive coatings. One of our sales engineers can help you design a window for your specific application.

ECI #969



ECI #1258



ECI #1255

