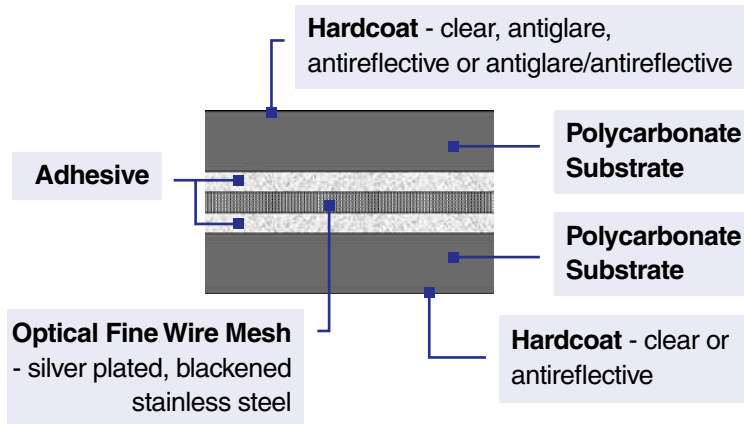


# EMI/RFI Shielded Windows (3500 Series)

MAJR Products provides a range of defined polycarbonate laminates that can be machined, bus barred and gasketed to meet your optical and EMI/RFI Shielding requirements within a short lead-time without compromising quality or performance.

## Laminated Polycarbonate Features:



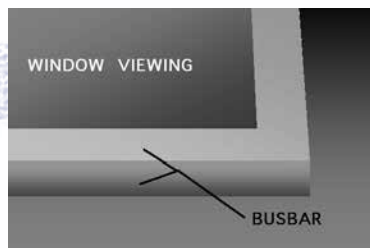
## Optical Specifications

Color: Clear (Standard) / Colors (Custom)  
 Surface Finish: Clear or Non-Glare Hard Coat  
 Light Transmission: 80% - 85% (Standard)  
 Mesh Angle: 22.5°, 30°, 45°, 90° Tolerance +/-5°  
 Cosmetics: ISO 9001:2008 Visual Inspection Procedure

\*All technical information and specifications are based on industry standards and common application dimensions and finishes. If your needs fall outside these parameters, please contact our sales department. We have done many specialized designs for our customers and would welcome the opportunity to work with you on your requirements.

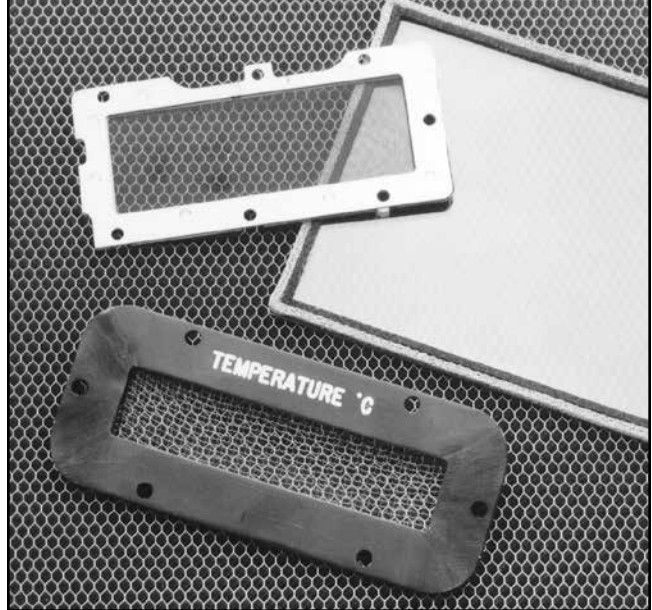
## Conductive Busbar

Conductive busbar is applied to the perimeter of machined windows for conductivity / connectivity to a metal bezel or the metal case, faceplate, or door.



## Typical Bus Bar Shapes

- I-Shape**  
On outer edge of window only.
- L-Shape**  
On outer edge of window & one surface.
- U-Shape**  
On outer edge of window & two surfaces connecting
- Z-Shape**  
On outer edge of window & "step" & one surface.



## Features

- **Hard Coatings** are designed to provide polycarbonate windows with improved chemical, scratch and abrasion resistance. Hard coatings are applied in a class 10000 clean room via a permanent, high durability UV curing process. Hard coatings are tested for chemical abrasion resistance using ASTM-D-1308 and for abrasion resistance using ASTM-D-1044.
- **Antiglare hard coatings** diffuse surface reflections but still maintain very good uniformity and image resolution for electronic display applications. The standard antiglare hard coating measures 60 gloss units via ASTM-D-523 using a gloss meter at 60 deg.
- **Conductive Coatings** provide optical shielding for less demanding applications. A 10 ohms/sq. conductive coating will provide approximately 80% to 85% light transmission and 20-30 dB's of EMI/RFI attenuation from 100 MHz to 1 GHz.