

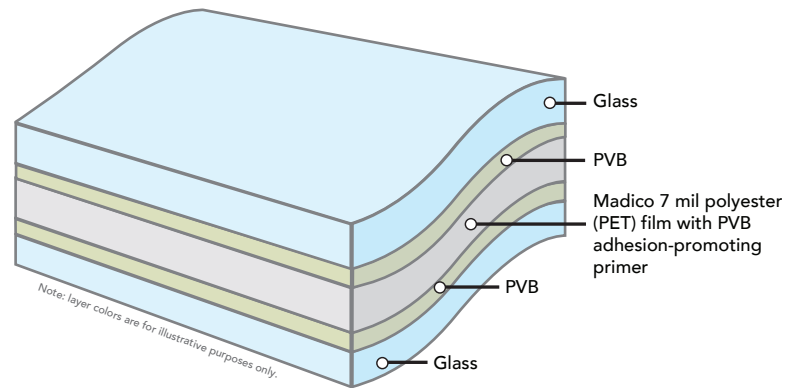
Glass-Gard® Interlayer Film for PVB

Glass-Gard by Madico interlayer film is designed to improve ballistic and security glass products. This product offers an excellent solution for reducing weight, adding strength and increasing the safety of glazing. This interlayer laminate film has an adhesion-promoting primer on both sides to ensure bonding to PVB interlayers after an autoclave process.

Material Construction - CL 700 PVB (I):

Total laminate thickness7 mil
 All thicknesses are based on nominal data.

Available in 150 cm / 60" and 182 cm / 72" width



Benefits:

- Weight Reduction
- Chemically Resistant
- Offers improved ballistic performance
- Cost reduction opportunities
- Benefits of laminated glass
- Excellent optical performance



Applications:

Automotive:

- Sunroofs
- Windshields
- Side and rear lites

Defense/Security:

- Bullet-resistant glazing
- Forced entry-resistant glazing
- Detention facility glazing
- Blast-resistant glazing

Transportation:

- Rail car windscreens
- Mass transit vehicles
- Marine vessels

Architectural Glazing:

- Skylights
- Curtain walls
- Security doors

VLT & Haze, Film Only (as received)

Transmitted: >89%
 Haze: <1.2%

Mechanical Properties (typical values)

MD Break: 25,000 psi
 MD Elongation: 183%
 MD Shrinkage (190°C, 5 minutes): 2.3%
 TD Break: 32,000 psi
 TD Elongation: 94%
 TD Shrinkage (190°C, 5 minutes): 2.2%

Adhesion to interlayer, weathering, and impact testing should be done by customers using their specified materials, processes and test methods to validate this product for the intended application.