



Hygard® BR750 sheet

Ballistic glazing - Level 1

Hygard® BR750 ballistic grade sheet is a 0.750", 3-ply polycarbonate and acrylic laminate that meets the UL 752 Level 1 rating for 9 mm ballistic attack. All Hygard products incorporate Makrolon® polycarbonate sheet produced for high optical quality in security glazing laminates. Exterior surfaces have a proprietary Makrolon AR hardcoat that facilitates cleaning and resists marring, chemical, and graffiti attack. Hygard BR750 sheet has a seven (7) year Limited Product Warranty against coating failure, yellowing, and hazing. The terms of the warranty are available upon request.

| Typical Properties* | |
|---------------------|-----------------|
| Property | Values |
| Gauge / Tolerance | 0.780 in ± 5% |
| Weight | 5.1 lbs / sq ft |
| Shading Coefficient | 0.89 |
| U-Value | 0.65 |
| Light Transmission | 88% |

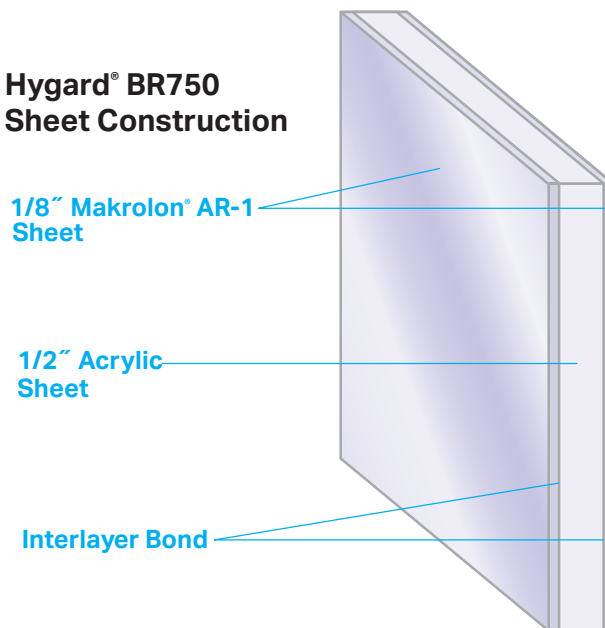
*Typical properties are not intended for specification purposes

| Product Performance Ratings |
|---|
| BALLISTIC UL 752 Level 1 (9 mm Full Metal Copper Jacket with lead) |
| AGENCY INFORMATION UL File: BP6864 Combustibility Class CC2 Miami-Dade NOA 12-0605.05 |

Applications

Government and detention facilities, banks, heavy equipment glazing, specialty retailers, 24 hour convenience stores, cash transaction windows

Hygard® BR750 Sheet Construction



Hygard® BR750 sheet

Glazing recommendations

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected Hygard laminate are recommended
- Hygard laminate should be cut to allow for a minimum of one (1) inch edge engagement in the frame, with sufficient rabbet depth for material expansion (approx. 1/16"/ft.)
- Use wet or dry sealants/gaskets that are compatible with polycarbonate
- Remove protective masking after glazing operations are completed and before prolonged exposure to direct sunlight, moisture, or high temperature

Standard sheet size

48" x 60", 48" x 72", 38" x 78", 38" x 96", 48" x 96", 60" x 72", 60" x 96"

Product specification

Hygard BR750 polycarbonate and acrylic laminate:

- Three-ply, clear Makrolon® polycarbonate sheet constructed as follows:
 - 1/8" Makrolon AR-1 abrasion resistant surface
 - Polyurethane bonding interlayer
 - 1/2" acrylic sheet
 - Polyurethane bonding interlayer
 - 1/8" Makrolon AR-1 abrasion resistant surface



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