



# Hygard® BR

## Bullet Resistant Polycarbonate

### Description and Overview

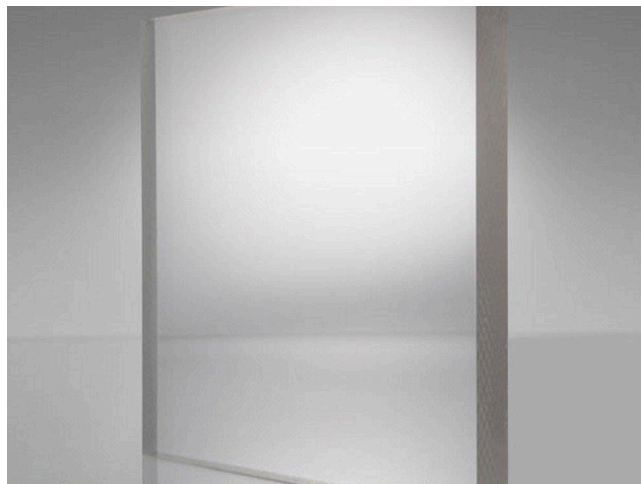
Hygard® Bullet Resistant polycarbonate sheets consist of multiple layers of polycarbonate that meet ballistic attack prevention criteria. Hygard® sheets range from .750 to 1.25 inches thick and have ballistic ratings that depend on sheet thickness. A .750 inch sheet has a UL752 Level 1 rating, while 1 inch and 1.25 inch have a UL752 rating of Level 2 and 3, respectively.

Thicker material has a higher rating for ballistic attack, meaning it has endured at least three bullets from a particular caliber. For instance, a Level 1 rated material must provide protection from three shots of a 9mm, while a Level 3 rated material must withstand three shots of a .44 magnum.

### Applications and Uses

UL752 rated Hygard® Bullet Resistant polycarbonate sheets deter and stop ballistic attacks. They resist spalling and white-out after repeated ballistic impacts, which gives a critical advantage in maintaining visibility of threats during an attack. Hygard® BR polycarbonate sheets protect critical areas where safety and security are paramount.

- Government and detention facilities
- Banks
- Specialty retailers
- 24 hour convenience stores
- Cash transaction windows



### Properties and Specifications

Property	Values
Gauge / Tolerance	60.780 in ± 10%3
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

Combustibility Class CC2,  
Florida Building Code 2017  
6th Ed., Miami-Dade NOA: NOA  
UL File: BP6864

Properties are typical.

Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.

Mech is an abbreviation for mechanically affixed bonding.

Field testing is recommended for any application.

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WARNING: This product can expose you to chemicals including Bisphenol A, CAS 80-05-7, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)



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ADVANCED MATERIALS

Rev 2 (09/12/2022)