

**MAKROLON<sup>®</sup> HYGARD BR1250 Sheet**

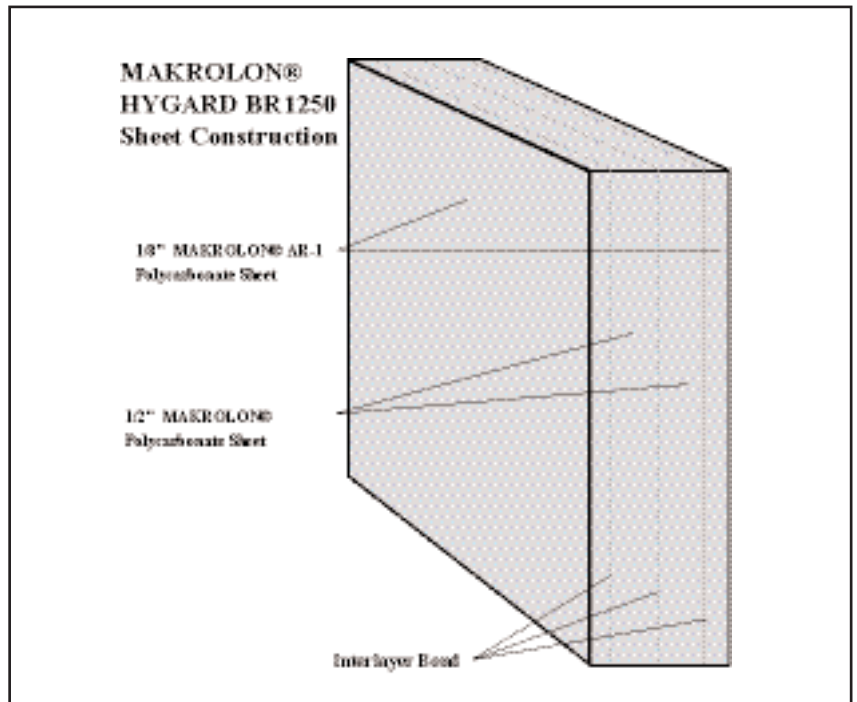
**Ballistic Glazing**

MAKROLON HYGARD BR1250 Sheet is a four-ply laminate which meets stringent UL752 Level 3 for ballistic glazing applications. Constructed of polycarbonate sheets, the laminate also features an abrasion and UV resistant coating for extended service life in harsh environments.

**Applications**

Government and detention facilities, financial institutions, heavy equipment glazing, speciality retail and 24 hour convenience stores, as well as other cash transaction areas.

Nominal Gauge	1.30"
Weight	8.1 lbs / sq ft
Shading Coefficient	.98
Light Transmittance	75%
Sheet Size	Standard: 48" x 60", 48" x 72" 38" x 78", 38" x 96" 48" x 96", 60" x 72" 60" x 96"



**ICC**  
 UL Level 3 (.44 Magnum lead semi-wadcutter gas checked)  
 UL File: BP6864  
 HP White TP 0500.03 Level IV Step 44  
 ASTM F1233 Class V Step 38  
 Combustability Class CC1

# Product Data

## MAKROLON® HYGARD BR1250 Sheet

### Glazing Information

- Structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected MAKROLONHYGARD laminate are recommended.
- MAKROLON 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.

### Product Specification

**MAKROLON HYGARD BR1250** polycarbonate laminate:

Four-ply, clear MAKROLON polycarbonate sheet constructed as follows:

- 1/8" MAKROLON® AR-1 abrasion resistant surface
- Polyurethane bonding interlayer
- 1/2" MAKROLON® polycarbonate sheet
- Polyurethane bonding interlayer
- 1/2" MAKROLON Sheet
- Polyurethane bonding interlayer
- 1/8" MAKROLON AR-1 abrasion resistant surface

### Disclaimer

The manner in which you use and the purpose to which you put and utilize our products, technical assistance, and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations, are beyond our control. Therefore, it is imperative that you test our products, technical assistance, and information to determine to your own satisfaction whether they are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with patents covering any material or its use. No license is implied or in fact granted under the claims of any patent.

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