

# AZCARB



## AZCARB CG CONTAINMENT GRADE Polycarbonate Sheet

**AZCARB CG** is a family of containment grade laminated sheet products rated for forced entry & containment. Unlike glass-clad products, this All-Poly laminate resists spalling and white-out after repeated high force impacts, an advantage in maintaining visibility of a threat during an attack. All AZCARB CG polycarbonate sheets are produced with 100% virgin Lexan resin on world class extrusion equipment. All exterior surfaces have a proprietary thermal cured siloxane coating. This hardcoat facilitates cleaning and resists marring, chemical attack, and graffiti. Applications including jails, detention centers, psychiatric hospitals, reception areas, convenience stores, check cashing centers and those to help prevent smash & grab.

- Available in .375", .500" & .750"
- Won't spider web or white-out - clear line of site under attack
- Optically clear & virtually unbreakable
- Exceptionally durable
- Forced entry protection
- Ballistic rating
- Reduced weight: Approximately 50% lighter than glass laminate of the same thickness
- No spall - providing an extra level of protection
- Fabricated much easier than Glass Clad PC
- Hard coat resists abrasion, chemical & graffiti attack
- Limited Ten (10) year warranty

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### TYPICAL STANDARD PROPERTIES<sup>1</sup>

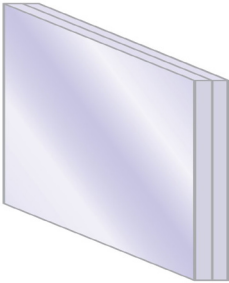
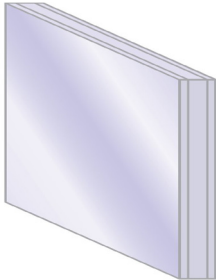
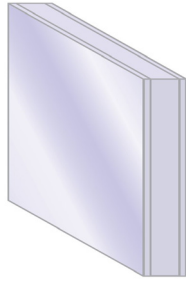
| PROPERTY            | CG 375          | CG500           | CG750                    |
|---------------------|-----------------|-----------------|--------------------------|
| Gauge/Tolerance     | 0.390 in +/- 5% | 0.522 in +/- 5% | 0.780 in +/- 5%          |
| Weight              | 2.4 lbs / sq ft | 3.3 lbs / sq ft | 4.9 lbs / sq ft          |
| Shading Coefficient | 0.92            | 0.90            | 0.87                     |
| U-Value             | 0.84            | 0.74            | 0.63 summer/ 0.68 winter |
| Light Transmission  | 88%             | 83%             | 77%                      |

<sup>1</sup>Values reported are averages and should not be used for specification purposes.

### PRODUCT PERFORMANCE RATINGS

| AZCARB CG375             | AZCARB CG500                                          | AZCARB CG750                                        |
|--------------------------|-------------------------------------------------------|-----------------------------------------------------|
| ASTM F1915-05            | ASTM F1915-05                                         | ASTM F1915-01                                       |
| Security Grade Level 2   | Security Grade Level 2                                | Security Grade Level 1                              |
| HP White TP 0500 Level 1 | HP White TP 0500.03 Level 1<br>Ballistics .38 Special | HP White TP 0500.03 Level B<br>Ballistics 9MM Luger |

### PRODUCT SHEET CONSTRUCTION

| AZCARB CG375                                                                        | AZCARB CG500                                                                        | AZCARB CG750                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| .177" AZCARB AR1                                                                    | .118" AZCARB AR1                                                                    | .118" AZCARB AR1                                                                      |
| .025 Aliphatic TPU                                                                  | .025 Aliphatic TPU                                                                  | .025 Aliphatic TPU                                                                    |
| .177 AZCARB AR1                                                                     | .236" AZCARB OG                                                                     | .500" AZCARB OG                                                                       |
| -                                                                                   | .025 Aliphatic TPU                                                                  | .025 Aliphatic TPU                                                                    |
| -                                                                                   | .118" AZCARB AR1                                                                    | .118 AZCARB AR1                                                                       |
|  |  |  |

AZCARB CG Polycarbonate Sheet is a combustible thermoplastic. Observe fire precautions appropriate for comparable forms of wood and paper. For building uses, check code approvals. Impact resistance is a factor of thickness. Avoid exposure to heat or aromatic solvents. Clean with soap and water. Avoid abrasives. The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, AZPolymers expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

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[azpolymersllc.com](http://azpolymersllc.com)

5675 Centerpoint Court  
Gurnee, IL 60031  
(224) 656-5822  
[sales@azpolymersllc.com](mailto:sales@azpolymersllc.com)