MAKROLON HYGARD® CG500 laminate is a three-ply MAKROLON polycarbonate sheet for specialty vehicle glazing and architectural security glazing applications. MAKROLON HYGARD CG500 laminate features abrasion and UV resistant hard coated surfaces for extended service life in harsh environments.

APPLICATIONS
MAKROLON HYGARD CG500 laminate is used primarily in detention facility and jail glazing to meet specific requirements for protection against forced entry/egress into or from controlled areas. CG500 is also used as cab glazing in off-road heavy equipment to protect operators from debris and projectiles.

<table>
<thead>
<tr>
<th>Typical Physical Properties</th>
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<tr>
<td>Gauge/Tolerance</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Shading Coefficient</td>
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<tr>
<td>% Light Transmittance</td>
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</table>
| Colors          | Standard: Clear  
|                 | Custom Colors on request |
| Sheet Sizes     | Standard:  38” x 96”  
|                 | 48” x 96”  
|                 | 60” x 96”  
|                 | Custom Sizes on request |

FORCED ENTRY, BALLISTICS RATINGS

H.P. WHITE TP 0500.01 Level II Step 12
H.P. WHITE TP 0500.01 Level A Ballistics (.38 Special)
ASTM F 1233 Class III Step 15

Sheffield Plastics Inc. will not be responsible for the use of this information relative to actual application. Users must make their own determination of its suitability for their specific application. No warranty is made for the fitness of any product, and nothing herein waives any of the seller’s conditions of sale.
GLAZING INFORMATION

• Use of structural security framing systems with equal or greater forced entry and/or ballistics ratings as the selected MAKROLON HYGARD laminate is recommended.

• Size MAKROLON HYGARD laminates to allow for a minimum of 1” 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.

CLEANING INSTRUCTIONS

• Rinse with clean water to remove abrasive dust and dirt.

• Wash with soap or mild detergent using a sponge or soft cloth. Do not scrub.

• Rinse once more. Dry with a soft cloth or chamois to prevent water spots.

• To remove labels, stickers, or grease, rub gently with a cloth wetted thoroughly in VM & P naptha or isopropyl alcohol. Wash and rinse. Do not use razor blades, scrapers, or squeegees.

For additional information please call the Sheffield Plastics Customer Service at: 800-254-1707.