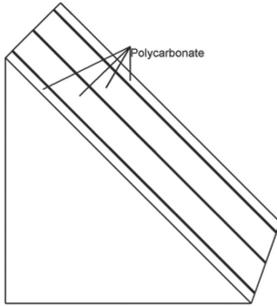


# LEXGARD® MP1000 LAMINATE



## DESCRIPTION

- LEXGARD® MP1000 laminate is a four-ply polycarbonate laminate primarily developed for security protection.
- LEXGARD® MP1000 laminate provides dependable protection and exceptional abrasion resistance

## TYPICAL PROPERTY VALUES

- Gauge/Tolerance: 1.03"±5%
- Weight: 6.4 lbs. per sq.ft.
- Shading Coefficient: .93 clear
- U-Factor: 0.62
- Light Transmission (Average Gardner Value): 72 (clear)

Offering innovative solutions for bullet, blast, impact and wind resistance.

## SPECIFICATIONS

LEXGARD® MP1000 laminate: four-ply, clear, extruded polycarbonate of the following construction:

- 1/8" Polycarbonate sheet with an abrasion resistant surface
- Polyurethane interlayer
- 3/8" Polycarbonate sheet
- Polyurethane interlayer
- 3/8" Polycarbonate sheet
- Polyurethane interlayer
- 1/8" Polycarbonate sheet with an abrasion resistant surface

Material shall have a flexural strength not less than 13,500 psi (ASTM D790); 72% light transmission (ASTM D1003). Material shall be a total thickness of 1.03" ± 5%. Material shall have an abrasion resistant surface to improve service life performance, and must conform with ICBO, BOCA, and SBCCI Model Building Codes as an Approved Light Transmitting Plastic with a C1 (CC-1) flammability performance level.

Available Colors:

- Clear (112)
- Grey (713)
- Bronze (5109)
- Green (31035)

Standard Sheet Sizes (in inches)

- 38 x 96
- 48 x 48
- 48 x 60
- 48 x 72
- 48 x 96
- 60 x 96
- 72 x 96

## BALLISTIC AND FORCED ENTRY RATING AND TEST RESULTS

Complies with the requirements of HPW-TP-0500.02 for Level I V (Step 52) forced entry material.

- Test result = Level IV (Last step passed = Step 52)

Tested using ASTM F 1233-08 forced entry standard:

- Test result = Contraband Class II (Last step passed = Step 11)
- Test result = Body passage Class V (Last step passed = Step 41)
- Recognized by Underwriters Laboratory as providing Level 2 (.357 Magnum) hand gun protection per UL Standard 752.
- Test procedures for above products are available from: H.P. White Laboratories, 3114 Scarboro Road, Street, Maryland 21154.

## GLAZING INFORMATION

- Structural security metal framing rated to the appropriate bullet resistant level is suggested.
- A minimum edge engagement of one (1) inch is recommended with allowances for material expansion. (Larger lites may require deeper engagements.)
- The use of compatible sealant or gasket material is recommended, with flexible material on both sides of the laminate.
- Do not use PVC gasket material.
- Do not use setting blocks made from PVC, EPDM, or neoprene rubber materials. Santoprene® rubber should be suggested.
- If these other rubber products are required, a protective barrier material should be used between the rubber setting block and the LEXGARD® sheet edge.

Santoprene® is either a registered trademark or trademark of Exxon Mobil.

Lexgard® is either a registered trademark or trademark of Global Security Glazing.

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SECURITY PRODUCTS

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