OFFERING INNOVATIVE SOLUTIONS FOR BULLET, BLAST, IMPACT AND WIND RESISTANCE.

LEXGARD® MP750 LAMINATE

DESCRIPTION

- LEXGARD® MP750 laminate is a three-ply polycarbonate laminate primarily developed for security protection.
- LEXGARD® MP750 laminate provides dependable protection and exceptional abrasion resistance.

TYPICAL PROPERTY VALUES

- Gauge/Tolerance: .750”±8%
- Weight: 4.6 lbs. per sq. ft.
- Shading Coefficient: 1.04 Clear
- U-Factor: .71
- Percent Light Transmission (Average Gardner Value): 87 Clear

SPECIFICATIONS

Three-ply, clear, extruded polycarbonate of the following construction:
- ⅛” Polycarbonate sheet with an abrasion resistant surface
- Polyurethane interlayer
- ⅜” Acrylic sheet
- Polyurethane interlayer
- ⅛” Polycarbonate sheet with an abrasion resistant surface

Material shall have a flexural strength not less than 13,500 psi (ASTM D790); 87% light transmission (ASTM D1003). Material shall be a total thickness of .750” ± 8%. 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 C2 (CC22) flammability resistant performance level.

TYPICAL PROPERTY VALUES

- Available Colors:
  - Clear (112)
  - Bronze (5109)
  - Grey (713)
  - Green (31035)

- Standard Sheet Sizes (in inches):
  - 48 x 48
  - 48 x 60
  - 48 x 72
  - 48 x 96
  - 60 x 96
  - 72 x 96

BALLISTIC RATING

Recognized by Underwriters Laboratories as providing Level 1 (9mm) protection per UL Standard 752.

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.

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