



LEXGARD® SP1250 Laminate

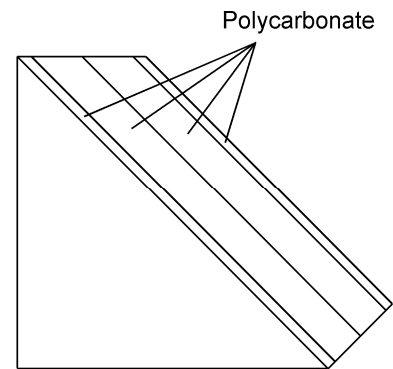
Product Datasheet

Description

LEXGARD® SP1250 laminate is a four-ply polycarbonate laminate primarily developed for security protection. LEXGARD® SP1250 laminate provides dependable ballistic protection and exceptional abrasion resistance.

Typical Property Values

Property	Value
Gauge/Tolerance	1.24 ± 5%
Weight	7.7
Shading Coefficient	90 Clear
U-Factor	.56 %
Light Transmission (Average Gardner Value)	67 Clear



LEXGARD® Laminates SP1250

Specifications

LEXGARD® SP1250 laminate:

Four-ply, clear, extruded polycarbonate of the following construction:

- 1/8" Polycarbonate sheet with an abrasion resistant surface
- Polyurethane interlayer
- 1/2" Polycarbonate sheet
- Polyurethane interlayer
- 1/2" Polycarbonate sheet
- Polyurethane interlayer
- 1/8" Polycarbonate sheet with an abrasion resistant surface

Available Colors	Clear (112) Bronze (5109) Grey (713) Green(31035)									
Standard Sheet Sizes (in inches)	<table border="1"> <tbody> <tr> <td>38 x 96</td> <td>48 x 48</td> <td>48 x 60</td> </tr> <tr> <td>48 x 72</td> <td>48 x 96</td> <td>60 x 96</td> </tr> <tr> <td>72 x 96</td> <td></td> <td></td> </tr> </tbody> </table>	38 x 96	48 x 48	48 x 60	48 x 72	48 x 96	60 x 96	72 x 96		
38 x 96	48 x 48	48 x 60								
48 x 72	48 x 96	60 x 96								
72 x 96										

Material shall have a flexural strength not less than 13,500 psi (ASTM D790); 67% light transmission (ASTM D1003). Material shall be a total thickness of 1.24 ± 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.

LEXGARD® is a registered trademark of Global Security Glazing.



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Ballistic & Forced Entry Rating and Test Results

Complies with the requirements of HPW-TP-0500.02 for Level V (Step 54) forced entry material.

Tested using ASTM F 1233-08 forced entry standard: Test result = Contraband Class III (Last step passed = Step 20) Test result = Body passage Class V (last step passes = Step 41)

Tested using ASTM F 1915-03 forced entry standard: Test Result = Security Grade Level 1

Recognized by Underwriters Laboratory as providing Level 3 (.44 Magnum) handgun 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 a registered trademark of Exxon Mobil Corporation

Global Security Glazing, 616 Selfield Road, Selma, AL, 36703, 1-800-640-6541