

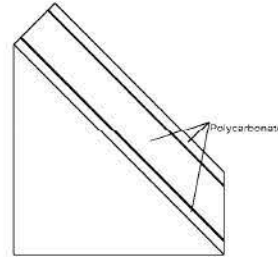
Product Datasheet

Description

LEXGARD® RC750 Laminate is a three-ply polycarbonate laminate it is an excellent candidate for security protection. LEXGARD® RC750 laminate combines dependable protection and exceptional abrasion resistance. UL Ballistic protection, LEXGARD® RC750 laminate must be used behind glass as a component in a replaceable glass system.

Typical Property Values

Property	Value
Gauge/Tolerance	.750" ±5%
Weight without Glass	4.6 lbs per sq. ft
Shading Coefficient Without Glass	.97 Clear
U-Factor without Glass	.71 Clear
Light Transmission (Average Gardner Value) Without Glass	77



LEXGARD® Laminates RC750

Specifications

Three-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
- 1/8" Polycarbonate sheet with an abrasion resistant surface

Available Colors	Clear (112) Bronze (5109) Gray (713)
Standard Sheet Sizes (inches)	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); 77% light transmission (ASTM D1003). Material shall be a total thickness of .75' +/- 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.

Ballistic & Forced Entry Rating and Test

Tested using HPW-TP-0500.02 forced entry standard: Test result = Body passage Level III (last step passed=38)

Tested using ASTM F1233-98 forced entry standard: Test result = Contraband Class II (last step passed=11) Test result = Body passage Class IV (last step passed=31)

LEXGARD® RC750 laminate is capable of providing varying levels of ballistic protection, as specified by Underwriters Laboratories UL Standard 752, when used behind glass as a component in a replaceable glass system*.

Tested using ASTM F1915-03 forced entry standard: Test Result = Security Grade Level 1

LEXGARD® RC750 laminate alone maintains no Underwriters Laboratories (UL752) ballistic rating, but is used as a component in systems which include laminated safety glass and an appropriate air space to achieve varying ballistic ratings.

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. Does 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 rubbers are required, a protective barrier material should be used between the rubber setting block and the LEXGARD® sheet edge. When used behind glass, proper installation is essential to assure the proper level of protection.

* Santoprene is a registered trademark of Exxon Mobil Corporation

LEXGARD® is a registered trademark of LEXGARD® Laminates LLC

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

Manufactured by:



Selma, AL



Standard Bent
Glass Corp
Butler, PA