



LEXGARD® RS1250 Laminate

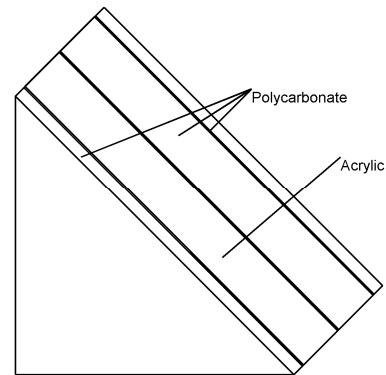
Product Datasheet

Description

LEXGARD® RS1250 laminate is a four-ply polycarbonate and acrylic laminate primarily developed for security protection. LEXGARD® RS1250 laminate combines dependable protection and exceptional abrasion resistance.

Typical Property Values

Property	Value
Gauge/Tolerance	1.24" ± 5%
Weight	7.7 lbs. per sq.ft.
Shading Coefficient (Calculated)	.98
U-Factor	.56
Light Transmission (Average Gardner Value)	78 (Clear material)



LEXGARD® Laminates RS1250

Specifications

LEXGARD® RS1250 laminate:

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

- 1/8" Polycarbonate sheet with an abrasion resistant surface
- Polyurethane interlayer
- 1/2" acrylic sheet
- Polyurethane interlayer
- 1/2" 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); 81% 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 C2 (CC52) flammability performance level.

Available Colors	Clear (112) Bronze (5109) Green (31035) Grey (713)	
Standard Sheet Sizes (in inches)	48 x 48 48 x 72 60 x 96	48 x 60 48 x 96 72 x 96

Ballistic Rating and Test Results

Recognized by Underwriters Laboratory as providing Level 6 (High velocity 9 mm submachine gun) and Supplementary Shotgun (12 gauge rifled lead slug and lead buckshot) protection per UL Standard 752.

¹)As tested by H.P. White Laboratories, 3114 Scarboro Road, Street, Maryland 21154

Glazing Information

LEXGARD® RS1250 laminate is an asymmetrical construction requiring proper installation for rated ballistic protection. The attack side of the laminate (side closest to the acrylic layer) must be installed facing the ballistic threat.

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

LEXGARD® is a registered trademark of LEXGARD® Laminates LLC

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