



LEXGARD® LAMINATES

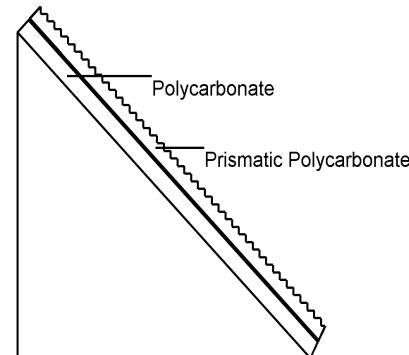
LEXGARD® PL250 Laminate Product Datasheet

Description

LEXGARD® PL250 laminate for lighting is a two-ply polycarbonate laminate especially designed for applications requiring light diffusion and privacy glazing. Primarily developed for security protection, LEXGARD® PL250 laminate has a prismatic polycarbonate sheet laminated on one side, offering high light transmission. The second side is a polycarbonate sheet with an abrasion resistance surface. The lamination of prismatic polycarbonate sheet not only reduces breakage, but helps significantly reduce the possibility for inmates to create makeshift weapons, as is done with monolithic plastic or glass materials.

Typical Property Values

Property	Value
Gauge/Tolerance	.260' ± 5%
Weight	1.4lbs per sq. ft
Shading Coefficient (Calculated)	.99 (Clear)
U-Factor	.98
Light Transmission (Average Gardner Value)	80 (Clear)



LEXGARD® Laminates PL250

Forced Entry Rating and Test Results

Complies with the requirements of HPW-TP-0500.00 for: Level II (Step 7)-
Forced-entry material.

Complies with the requirements of ASTM F1233-08
Test results = Contraband Class I
Test results = Body Passage Class II

Test procedures for above products are available from: H.P. White Laboratories, 3114
Scarboro Road, Street, Maryland 21154.

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

Flammability Data

LEXGARD® PL250 laminate meets /CBO, BOCA, and SBCC/ requirements as a C1 (CC-1), approved light-transmitting plastic.
Smoke density does not exceed 75 when tested in accordance with ASTM D2843.
Self-ignition temperature greater than 650°F per ASTM D929.
Extent of burning does not exceed 1" per ASTM D635.