



**LEXGARD®**  
**LAMINATES**

# LEXGARD® PL500 Laminate

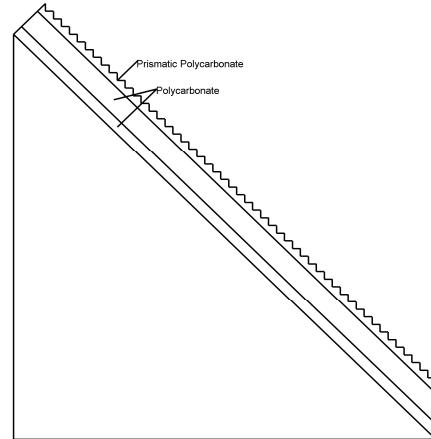
## Product Datasheet

### Description

LEXGARD® PL500 laminate for lighting is a three ply polycarbonate laminate especially designed for applications requiring light diffusion and privacy glazing. Primarily developed for security protection, LEXGARD® PL500 laminate has a prismatic polycarbonate sheet laminated on one side, offering high light transmission. The second side is a polycarbonate sheet with an abrasion resistant 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	.510" ± 5%
Weight	3.0 lbs per sq. ft
Shading Coefficient (Calculated)	.97 (Clear)
U-Factor	.83
% Light Transmission (Average Gardner Value)	77 (Clear)



### Forced Entry Rating and Test Results

Complies with the requirements of HPW-TP-0500.00 for: Level II  
(Step 14)-Forced entry material.

Complies with ASTM F1233-08  
Test results = Contraband class I  
Test results = Body passage III

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

LEXGARD® Laminates PL500

Available Colors	Clear (112) Bronze(5109) Green(3103) Gray(713)
Standard Sheet Sizes (in inches)	48 x 96

### Flammability Data

LEXGARD® PL500 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 D1929.  
Extent of burning does not exceed 1" per ASTM D635.

LEXGARD® is a registered trademark of LEXGARD Laminates LLC  
Global Security Glazing, 616 Selfield Road, Selma, AL, 36703, 1-800-640-6541.