

POLYMER SHAPES

LEXAN™ XL102UV SHEET

LEXAN™ XL102UV Sheet combines the impact strength of LEXAN polycarbonate sheet with a proprietary UV-resistant surface treatment on both sides that protects it from weathering. LEXAN XL102UV sheet is the only polycarbonate glazing material backed by a ten-year limited warranty against yellowing, loss of light transmission and breakage. Providing long-lasting clarity over a wide range of weather conditions and environments, LEXAN XL102UV sheet is well suited for all types of vertical glazing and overhead applications such as skylights, covered walkways and barrel vaults.



ENERGY EFFICIENCY

LEXAN XL102UV sheet provides up to 25% better thermal insulation than single-panel glass. Double glazing increases the advantage.

U-Value Comparison

Winter Heat Loss (BTU/hr./sq.ft./°F)			
Thickness	LEXAN XL102UV Sheet	Glass	LEXAN Sheet % Advantage Over Glass
.118"	1.05	1.16	10
.177"	1.01	1.15	12
.236"	.96	1.14	16
Double Glazed#	.43	.49	12

#Two ¼ liters with ½" air space

Summer Heat Gain (BTU/hr./sq.ft./°F)

Thickness	LEXAN XL102UV Sheet	Glass	LEXAN Sheet % Advantage Over Glass
.118"	.97	1.04	7
.177"	.93	1.04	11
.236"	.90	1.04	14
Double Glazed#	.43	.56	20

#Two ¼ liters with ½" air space

WEIGHT

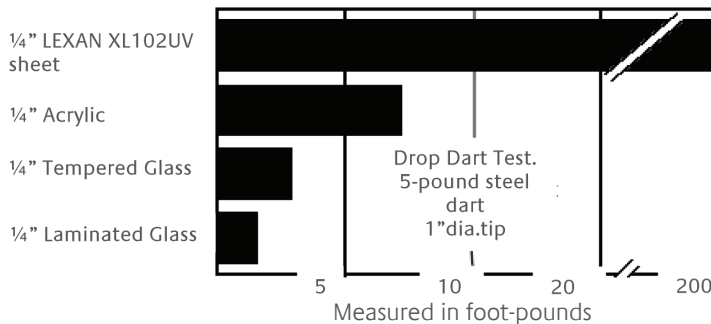
Only 15% of the weight of double-panel glass, LEXAN XL102UV sheet requires less structural support than either glass or acrylic. Its light weight also results in easier handling and installation, as well as transportation cost savings.

Weight (lbs./ft.²)

Thickness	LEXAN XL102UV Sheet	Glass
.118"	.74	1.60
.177"	1.11	2.40
.236"	1.47	3.20

IMPACT RESISTANCE

Virtually unbreakable LEXAN XL102UV sheet has 250 times the impact strength of glass and 30 times that of acrylic.



YELLOWING RESISTANCE

