

LEXAN™ LCS300 CORRUGATED SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ LCS300 Corrugated Sheet is a diffused corrugated panel offering high impact strength and excellent light transmission. This product is an excellent candidate for greenhouse coverings. The fine matte texture on the surface scatters light for more uniform distribution of sun light within the greenhouse canopy. LEXAN LCS300 Corrugated Sheet offers additional features of long term weathering (UV protection), excellent impact resistance, and a ten year limited written warranty for weathering and a three year limited written warranty against hailstone breakage. LEXAN LCS300 Corrugated Sheet is also available with a factory applied condensate control to help prevent plant disease caused by dripping condensation. This product is designated as LEXAN LC300DG Corrugated Sheet.

TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
PHYSICAL			
Specific Gravity	ASTM D792A	--	1.2
Weight**	--	lb/sf	0.25
Light Transmission	ASTM D1003	%	90
Corrugation Height	--	mm	76
Corrugation Pitch	--	mm	16
MECHANICAL			
Tensile Strength	ASTM D638	psi	9,500
Flexural Strength	ASTM D790	psi	13,500
Flexural Modulus	ASTM D790	psi	340,000
Dynatup Impact Strength, (1/2 in Diameter Dart – Gauge Dependent)**	ASTM D3763	ft-lbs	15
Gardner Impact Strength (Gauge Dependent)**		in-lbs	>240
THERMAL			
Coefficient of Thermal Expansion	ASTM D696	In/in/°F	3.75x10 ⁻⁵
COMPLIANCE			
Flammability Burn Class	ASTM D635		CC2

◆ These property values have been derived from LEXAN™ resin data for the material used to produce this sheet product. Variation within normal tolerances are possible for various colors. These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC, Specialty Film & Sheet representative. All values are measured at least after 48 hours storage at 23°C/50% relative humidity. All properties are measured on injection molded samples. All samples are prepared according ISO 294.

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** Reported value based on 0.125" average thickness

PRODUCT AVAILABILITY

Product code:	LEXAN™ LCS300 Corrugated Sheet
Texture:	Fine Matte
Gauge:	0.03”
Standard Widths:	50 inches and 74 inches
Standard Length:	576 inches
Available Length:	600 inches max
Colors:	Clear = 112
Condensate Control:	LEXAN LC300DG Corrugated Sheet (DG=Drip guard)

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