

LEXAN™ LCS500/CSSISN7618 CORRUGATED SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ LCS500/CSSISN7618 Corrugated Sheet is a sinus profile panel offering high impact strength and excellent light transmission. This product is an excellent candidate for greenhouse coverings.

LEXAN 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 Corrugated Sheet is also available with a factory applied coating (Drip Guard) to help prevent plant disease caused by dripping condensation.

TYPICAL PROPERTY VALUES

PROPERTY	TEST METHOD	UNITS	VALUE
PHYSICAL			
Specific Gravity	ASTM D792A	--	1.2
Light Transmission	ASTM D1003	%	89
Density	ISO 1183	g/cm ³	1.2
Corrugation Height	--	mm	76
Corrugation Pitch	--	mm	18
MECHANICAL			
Tensile Strength	ASTM D638	psi	9,500
	ISO 527	MPa	60
Flexural Strength	ASTM D790	psi	13,500
Flexural Modulus	ASTM D790	psi	340,000
	ISO 527	MPa	2300
Gardner Impact Strength (Gauge Dependent)**	SABIC Method	in-lbs J	>240 24
THERMAL			
Coefficient of Thermal Expansion	ASTM D696	In/in/°F	3.75x10 ⁻⁵
	DIN 53752	1/°C	7.10 ⁻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 – SINUS PROFILE

Product code:	LEXAN™ LCS500 Corrugated Sheet (Americas) LEXAN™ CSSISN7618 Corrugated Sheet (Europe)
Texture:	None, polished
Profile:	Sinus 76 mm x 18 mm
Gauge:	0.032" / 0.8 mm
Sheet Weight:	0.22 lb/sf 1.09 kg/m ²
Standard Widths:	50" / 1270 mm
Standard Length:	576" / 14.6 m
Available Length:	max 600" / 15.24 m min 96" / 2438 mm
Colors:	Clear = 112
Condensate Control:	LEXAN LC500DG Corrugated Sheet (DG=Drip guard) LEXAN CSDISN7618 Corrugated Sheet
Masking:	None
UV Tape:	"LEXAN Corrugated Sheet", applied to UV protected side

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