

LEXAN™ LCS400/CSDIOM7615 CORRUGATED SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ LCS400/CSDIOM7615 Corrugated Sheet is a omega profile 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 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	lb/sf	1.2
Corrugation Height	--	mm	76
Corrugation Pitch	--	mm	15
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
Gardner Impact Strength (Gauge Dependent)**	ISO 527	MPa	2300
	SABIC Method	in-lbs J	>240 24
THERMAL			
Coefficient of Thermal Expansion	ASTM D696	ln/in/°F	3.75x10 ⁻⁵
	DIN 53752	1/°C	7x10 ⁻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. Variations 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 – DIFFUSED OMEGA PROFILE

Product code:	LEXAN™ LCS400 Corrugated Sheet (Americas) LEXAN™ CSDIOM7615 Corrugated Sheet (Europe)
Texture:	Fine Matte
Profile:	Greca 76 mm x 15 mm
Gauge:	0.032" / 0.8 mm
Sheet Weight:	0.22 lb/sf 1.08 kg/m ²
Standard Widths:	73.6" / 1870 mm
Standard Length:	576" / 14.6 m
Available Length:	max 600" / 15.24 m min 96" / 2438 mm
Colors:	Clear = 112 (Europe 11246)
Condensate Control:	LEXAN LC400DG Corrugated Sheet (DG=Drip guard) LEXAN CSDDOM7615 Corrugated Sheet
Masking:	None
UV Tape:	"LEXAN Corrugated Sheet", applied to UV protected side

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