

Lexan*Soft Lite LCS100 corrugated sheet

Product Datasheet

Description

Lexan Soft Lite LCS100 sheet is a diffused corrugated panel (color number WH9D464X) utilizing advanced polymer technology to scatter light while maintaining high levels of light. This diffusion feature is an excellent candidate for Greenhouse applications, where plants benefit from high levels of light for growth, but need protection from harsh intense sunlight. The scattering of light also improves exposure of low plants and leaves to light, reducing shadows and improving overall plant growth and uniformity.

Lexan Soft Lite LCS100 sheet offers additional features of long term weathering (UV protection), excellent impact resistance, and a ten year limited written warranty.

Typical Property Values ♦

Property	ASTM Test Method	Units (USCS)	Value
Physical			
Specific Gravity	ASTM D792A	--	1.2
Weight**	--	lb/sf	0.25
Light Transmission	ASTM D1003	%	84
PAR Light Transmission	ISO 9050	%	85
Haze (Diffusion)	ASTM D1003	%	100
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
Solar Heat Gain			0.8
Compliance			
Flammability Burn Class	ASTM D635		CC1

- ♦ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local SABIC Innovative Plastics, Specialty Film & Sheet representative or the Quality Services Department.
- ** Reported values based on 0.125" average thickness
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