POLYVANTIS

PRODUCT DATASHEET

LEXAN™ COGC08 Corrugated Sheet

DESCRIPTION

LEXAN™ COGC08 Corrugated Sheet is a Greca 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 has one side UV protected and the other side has 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 (color dependent)	ASTM D792A	-	1.20
Density	ISO 1183	g/cm^3	1.2
Light Transmission	ASTM D1003	%	89 (Clear)
Corrugation Height	-	Mm	76
Corrugation Pitch	-	Mm	16
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	POLYVANTIS Method	In-lbs	>240
(Gauge Dependent)		J	24
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75×10^{-5}
	DIN 53752	1/°C	7×10^{-5}
Flammability			
Flammability Burn Class	ASTM D635		CC1

- 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 POLYVANTIS 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.‡ 5-lb steel ball dropped from a height of 40 feet

PRODUCT AVAILABILITY – GREGA PROFILE

Product Code	LEXAN™ COGC08 Corrugated Sheet (Made in Campinas, Brazil)
Profile	Greca 76 mm x 16 mm
Gauge	0.033” / 0.84 mm
Sheet Weight	0.242 lbs/SFT
Standard Width	51” / 1295.4mm
Standard Length	464.57” / 11,800 mm
Minimum Length	96” / 2439 mm
Colors	Clear=112 Opal=82253 Bronze=515055 Diffused=SOFTL
Light Transmission	Clear=89% Opal=50% Bronze=25% SOFTL 84% (Diffusion / Haze 100%)
Masking	None
UV Tape	“LEXAN Corrugated Sheet”, applied to UV protected side

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