

Lexan* LCS100 Corrugated Sheet
Lexan* CSSIGR07616 Corrugated Sheet

Product Datasheet

Description – Greca Profile

Lexan LCS100/CSSIG07616 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 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
Density	ISO 1183	g/cm ³	1.2
Light Transmission	ASTM D1003	%	89
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 (Gauge Dependent)**	SABIC Method	in-lbs	>240
		J	24
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75x10 ⁻⁵
	DIN 53752	1/°C	7x10 ⁻⁵
Compliance			
Flammability Burn Class	ASTM D635		CC1

Continue on next page

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 Innovative Plastics, 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.

* Trademarks of SABIC Innovative Plastics IP BV

** Reported value based on 0.125" average thickness

Product Availability - Greca Profile

Product code:	Lexan * LCS100 Corrugated Sheet (Americas) Lexan * CSSIG07616 Corrugated Sheet (Europe)
Texture:	None, polished
Profile:	Greca 76 mm x 16 mm
Gauge:	0.033" / 0.8 mm
Sheet Weight:	0.25 lb/sf 1.16 kg/m ²
Standard Widths:	50" / 1270 mm 74" / 1880 mm
Standard Length:	576" / 14.6 m
Available Length:	max 600" / 15.24 m min 96" / 2438 mm
Colors:	Clear = 112
Condensate Control:	Lexan LC100DG Corrugated Sheet (DG=Drip guard) Lexan CSDIGR07616 Corrugated Sheet
Masking:	None
UV Tape:	"LEXAN Corrugated Sheet", applied to UV protected side



* Trademark of SABIC Innovative Plastics IP BV

Americas:
SABIC Innovative Plastics
Specialty Film & Sheet
One Plastics Avenue
Pittsfield, MA 01201
USA
Tel. (1) (413) 448 5400
Fax. (1) (413) 448 7506
Toll free: 1-800 451 3147

Europe:
SABIC Innovative Plastics
Specialty Film & Sheet
Plasticslaan 1
NL - 4612 PX Bergen op Zoom
The Netherlands
Tel. (31) (164) 292911
Fax. (31) (164) 293272

Pacific:
SABIC Innovative Plastics
Specialty Film & Sheet
Sheet1266 Nanjing (West) Road
Plaza 66, 17th Floor
200040 Shanghai
China
Tel. (86) 21 62881088

THE MATERIALS, PRODUCTS AND SERVICES OF SABIC INNOVATIVE PLASTICS HOLDING BV, ITS SUBSIDIARIES AND AFFILIATES ("SELLER"), ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH CAN BE FOUND AT <http://www.sabic-ip.com> AND ARE AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION OR RECOMMENDATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SELLER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING SELLER'S PRODUCTS, SERVICES OR RECOMMENDATIONS. EXCEPT AS PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user is responsible for making its own determination as to the suitability of Seller's products, services or recommendations for the user's particular use through appropriate end-use testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. No statement by Seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of such product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC Innovative Plastics is a trademark of Sabic Holding Europe BV

* Trademark of SABIC Innovative Plastics IP BV