

LEXAN™ LCS100/CSSIGR07616 CORRUGATED SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ LCS100/CSSIGR07616 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
Light Transmission	ASTM D1003	%	89
Density	ISO 1183	g/cm ³	1.2
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 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. 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.

™ Trademark of SABIC.

** Reported value based on 0.125" average thickness

PRODUCT AVAILABILITY

Product code:	LEXAN™ LCS100 Corrugated Sheet (Americas) LEXAN™ CSSIGR07616 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

CONTACT US:

Middle East and Africa

SABIC Global Headquarters
PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (0) 1 225 8000
F +966 (0) 1 225 9000
E info@sabic.com

Email

sfs.info@sabic-ip.com

Americas

Specialty Film & Sheet
1 Plastics Avenue
Pittsfield, MA 01201
USA
Toll-free 1 800 323 3783
T 1 413 448 6655
F (888) 443 2033
E Spsinside.sales@sabic-ip.com

Europe

Specialty Film & Sheet
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293678
F +31 (0)164 293272
E sfs.info@sabic-ip.com

Asia Pacific

Specialty Film & Sheet
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 21 2037 8188
F +86 21 2037 8288
E sfs.info@sabic-ip.com

DISCLAIMER: THE MATERIALS, PRODUCTS AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES ("SELLER") ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST. INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (I) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (II) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER'S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller's materials, products, services or recommendations for the user's particular use through appropriate end-use and other 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. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with ™ are trademarks of SABIC or its subsidiaries or affiliates.
© 2014 Saudi Basic Industries Corporation (SABIC). All Rights Reserved.

† Any brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.

www.sabic.com/sfs

