

LEXAN™ SGC404/SGC404SW SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN SGC404 / SGC404SW sheet is a UV-resistant sign grade sheet which is available in translucent colors, including white. LEXAN SGC404 / SGC404SW sheet is also available in standard and custom colors. LEXAN SGC404 / SGC404SW sheet is ideal for decorated outdoor signs, including pole signs and channel letters. LEXAN SGC404 / SGC404SW sheet can be thermoformed with crisp detail, offers excellent aesthetics, withstands high impact and abuse, and carries a limited written warranty against breakage and weathering.

TYPICAL PROPERTY VALUES ◆

PROPERTY	TEST METHOD	UNITS	VALUE
Physical			
Specific gravity	ASTM D792	-	1.20
Rockwell Hardness	ASTM D785	-	M70,R118
Mechanical			
Tensile Strength	ASTM D638	psi	
Ultimate			9,500
Flexural Strength	ASTM D790	psi	10,500
Flexural Endurance	ASTM D671	psi	
@ 1,800 cycles/Min.,73°F,50% RH			1,000
Elongation	ASTM D638	%	110
Modulus of Elasticity	ASTM D638	Psi	340,000
Izod Impact Strength, up to 125 mils	ASTM D256A	ft-lbs/in	
Notched			12-16
Drop Ball Impact Strength, 1" dia.dart @ .236 thickness	SABIC Test ##	ft-lbs	
@ 73°F			>200
@ 32°F			>200
@ 0°F			>200
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75×10^{-5}
Heat Deflection Temperature	ASTM D648	°F	
@ 264 psi			260
@ 66 psi			280

◆ 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.

See actual Product Warranty for conditions that may apply.

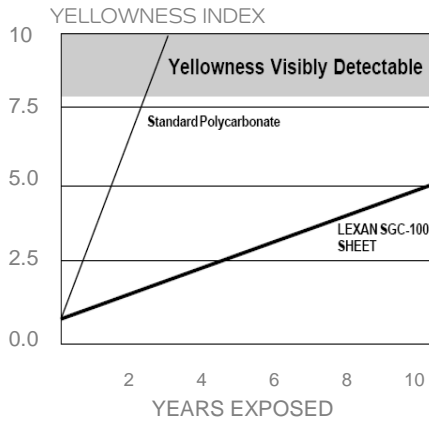
Measured by dropping a 25-pound dart (1" dia. tip) from a height of 8 feet.

™ LEXAN is a trademark of SABIC.

UL FILE NUMBER: E121562

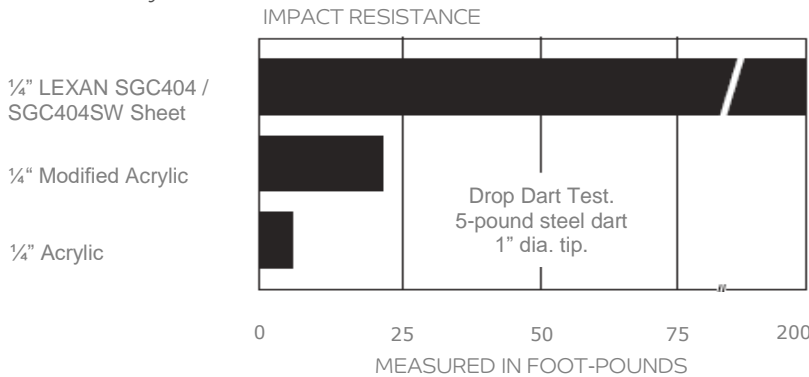
UV RESISTANCE

LEXAN™ SGC404 / SGC404SW sheet was exposed to accelerated QUV weathering. After exposure comparable to 10 years in South Florida, LEXAN SGC404 / SGC404SW sheet showed only minimal in yellowness, light transmission and clarity.



IMPACT RESISTANCE

LEXAN SGC404 / SGC404SW sheet has up to 30 times the impact strength of “Acrylic” and 10 times the impact strength of “Modified Acrylic”.



CONTACT US

SABIC CORPORATE HQ

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

AMERICAS

SABIC
Functional Forms
2500 CityWest Boulevard
Suite 100
Houston, TX 77042
USA
Toll-free (800) 323 3783
F (888) 443 2033
E spinside.sales@sabic.com

EUROPE

SABIC
Functional Forms
Plasticslaan 1
4612 PX
Bergen op Zoom
The Netherlands
T +31 (0)164 293684
F +31 (0)164 292272
E ff.info@sabic.com

PACIFIC

SABIC
Functional Forms
2550 Xiupu Road
Pudong
201319 Shanghai
China
T +86 21 3222 4500
F +86 21 6289 8998
E ff.info@sabic.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, unless otherwise noted.

© 2020 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.