

# LEXAN™ SGC504 / SGC504SW

## PRODUCT DATASHEET

### DESCRIPTION

LEXAN™ SGC504 / SGC504SW sheet is a UV-resistant sign grade sheet that is available in white color. LEXAN SGC504 / SGC504SW sheet is ideal for decorated outdoor signs, including pole signs and channel letters. LEXAN SGC504 / SGC504SW sheet can be thermoformed with crisp detail, offers excellent aesthetics, withstands high impact and abuse, and carries a limited 10 year written warranty against breakage.

### TYPICAL PROPERTY VALUES◆

PROPERTY	TEST METHOD	UNITS	VALUE
<b>Physical</b>			
Specific gravity	ASTM D792	-	1.20
Rockwell Hardness	ASTM D785	-	M70,R118
<b>Mechanical</b>			
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
<b>Thermal</b>			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	$3.75 \times 10^{-5}$
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.

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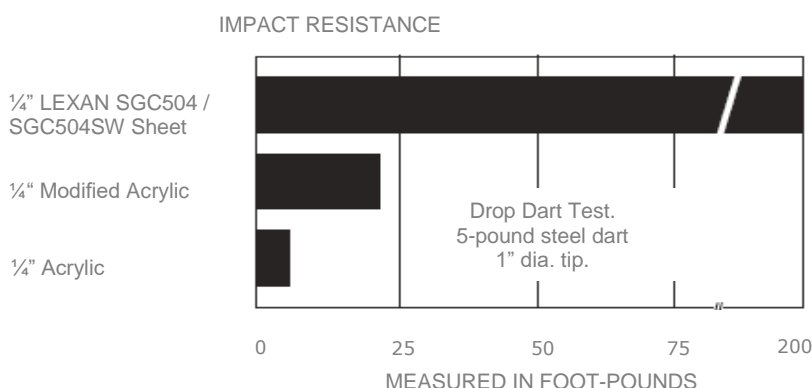
## LIGHT TRANSMISSION

GAUGE (MM)	TEST METHOD	LT (%)	DEVIATION
2.4	ASTM D1003	34	± 3
3.0	ASTM D1003	28	± 3
3.8	ASTM D1003	24	± 3
4.5	ASTM D1003	22	± 3
6.0	ASTM D1003	15	± 3

## UL FILE NUMBER: E121562

## IMPACT RESISTANCE

LEXAN™ SGC504 / SGC504SW sheet has up to 30 times the impact strength of "Acrylic" and 10 times the impact strength of "Modified Acrylic".



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