

LEXAN™ 9604/96054 SHEET

PRODUCT DATASHEET

DESCRIPTION

LEXAN™ 9604/96054 sheet offers all the benefits of standard, transparent polycarbonate sheet - excellent impact resistance, good stiffness and strength, high optical quality, excellent formability, relatively light weight - but it has significantly better flammability characteristics, making it suitable for a wide variety of applications in the transportation, electrical and electronic industries.

9604 (Polish / Polish)

96054 (Velvet/ Polish)

TYPICAL PROPERTY VALUES ◆

PROPERTY	TEST METHOD	UNITS	VALUE
Physical			
Specific Gravity	ASTM D792	g/m ³	1.26
Water Absorption, Equilibrium, 24 Hrs	ASTM D570	%	0.20
Light Transmission (avg.), .125" thickness	ASTM D1003	%	85
Mechanical			
Tensile Strength	ASTM D638	psi	
@ Yield			9,500
Ultimate			9,000
Elongation	ASTM D638	%	95
Tensile Modulus	ASTM D638	psi	235,000
Flexural Strength	ASTM D790	psi	13,500
Flexural Modulus	ASTM D790	psi	370,000
Compressive Strength	ASTM D695	psi	12,500
Dynatup Impact Strength, 1/2" dia. dart, (gauge dependant)***, @ 73°F	ASTM D3783	ft-lbs	50
Gardner Impact Strength, round tup (gauge dependent)***, @ 73°F	ASTM D3029	in-lbs	>320
Izod Impact Strength, (gauge dependant)*** Notched @ 73°F	ASTM D256A	ft-lbs/in	2,4
Unnotched @ 73°F			NB
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75 x 10 ⁻⁵
Heat Deflection Temperature @ 264 psi	ASTM D648	°F	280
Flammability			
UL Flammability**	UL 94	-	V-0 (90 mils and above) V-2 (34-89 mils)
FAA Flammability @ 40 to 125 mils	FAR 25.853	-	Passes A&B
ATS 1000 @ 40 to 125 mils	—	-	Pass

◆ These property values have been derived from LEXAN™ resin data for the material used to produce this sheet product.

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** This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

*** Reported values based on .125" gauge thickness.

UL File Number: E121562

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

AMERICAS

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

EUROPE

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

ASIA PACIFIC

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



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