POLYVANTIS

PRODUCT DATASHEET

LEXAN™ 9604/96054 SHEET

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/cm3	1.26
Water Absorption, Equilibrium, 24	ASTM D570	%	0.20
Light Transmission (avg.), .125"	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	ASTM D3783	ft-lbs.	50
Gardner Impact Strength,			
round up (gauge dependent)***, @ 73°F	ASTM D3029	in-lbs.	>320
Izod Impact Strength, (gauge	ASTM D256A	ft-lbs./in	
Notched @ 73°F			2,4
Unnotched @ 73°F			NB
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75×10^{-5}
Heat Deflection Temperature	ASTM D648	°F	
@ 264 psi			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.

** 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: E539157

POLYVANTIS

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LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC