



GE Structured Products

LEXAN® 9600 Sheet

Product Data Sheet

INDUSTRIAL

DESCRIPTION

LEXAN® 9600 sheet offers improved flammability characteristics than conventional LEXAN polycarbonate sheet. It is formulated to meet the standards of UL Bulletin, Class I. (Certain colors are limited to Class II use.) Developed to meet industry flammability codes, LEXAN 9600 sheet is widely used in power tools, electrical appliances, communications equipment, business machines, safety equipment and aircraft components.

The improved flammability and slightly higher (5 to 10 degrees) heat deflection temperature of LEXAN 9600 sheet are accompanied by essentially the same physical, electrical, chemical and fabricating properties exhibited by standard LEXAN sheet.

TYPICAL PROPERTY VALUES*

Property	Test Method	Units	Value
PHYSICAL			
Specific Gravity	ASTM D792	—	1.25
Water Absorption, Equilibrium, 24 Hrs	ASTM D570	%	0.20
Light Transmission (avg.), .125" thickness	ASTM D1003	%	85
MECHANICAL			
Tensile Strength	ASTM D638	psi	9,500
@ Yield			9,000
Ultimate			95
Elongation	ASTM D638	%	235,000
Tensile Modulus	ASTM D638	psi	13,500
Flexural Strength	ASTM D790	psi	370,000
Flexural Modulus	ASTM D790	psi	12,500
Compressive Strength	ASTM D695	psi	50
Dynatup Impact Strength, 1/2" dia. dart, (gauge dependant)***, @ 73°F	ASTM D3783	ft-lbs	>320
Gardner Impact Strength, round tip (gauge dependant)***, @ 73°F	ASTM D3029	in-lbs	
Izod Impact Strength, (gauge dependant)***	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 x 10 ⁻⁵
Heat Deflection Temperature	ASTM D648	°F	280
@ 264 psi			
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

**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.

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*These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local GE Structured Products representative or the GE Structured Products Quality Services Department.

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* Not connected with the English company of similar name.

SPD-4302C (4/98) LMC