



GE Structured Products

LEXAN® 9440 SHEET

Product Data Sheet

INDUSTRIAL

DESCRIPTION

LEXAN® 9440 uncoated polycarbonate sheet is designed to meet the requirements of specialty applications as food handling/contact. LEXAN 9440 sheet complies with FDA food additive regulations (21 CFR 177.1580). LEXAN 9440 sheet offers high impact protection, thermoformability, transparency, and dimensional stability.

TYPICAL PROPERTY VALUES*

Property	Test Method	Units	Value
PHYSICAL			
Specific Gravity	ASTM D792	—	1.20
Light Transmission (Average), 1/8" disk	ASTM D1003	%	88
Water Absorption, Equilibrium, 24 hrs	ASTM D570	%	0.15
@ 73°F			0.35
@ 212°F			0.58
MECHANICAL			
Tensile Strength	ASTM D638	psi	
@ Yield			9,000
Ultimate			9,500
Tensile Modulus	ASTM D638	psi	345,000
Flexural Strength	ASTM D790	psi	13,500
Flexural Modulus	ASTM D790	psi	345,000
Compressive Strength	ASTM D695	psi	12,500
Compressive Modulus	ASTM D695	psi	345,000
Elongation	ASTM D638	%	110
Izod Impact Strength	ASTM D256A	ft-lbs/in	
Notched @ 1/8"			12-16
Unnotched @ 1/8"			60 (no failure)
THERMAL			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75 x 10 ⁻⁵
Thermal Conductivity	ASTM C177	Btu/hr•ft ² •°F•in	1.35
Heat Deflection Temperature	ASTM D648	°F	
@ 264 psi			270
@ 66 psi			280

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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 Plastics Structured Products representative or the GE Plastics Structured Products Quality Services Department.*

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