POLYVANTIS

PRODUCT DATASHEET

LEXAN™ LF0261N FILM

DESCRIPTION

LEXAN™ LF0261N polycarbonate optical film is extruded with matte surface. The matte surface general light diffusion effect and maintain high transmittance. This product provides superior environmental performance at elevated temperatures & humidity.

TYPICAL PROPERTY VALUES*

PROPERTY	ASTM TEST METHOD	UNITS (USCS)	VALUE	ISO TEST METHOD	UNITS (SI)	VALUE
MECHANICAL						
Tensile Strength @ Yield	ASTM D882	psi	9195	ISO 527	MPa	48
Ultimate	ASTM D882	psi	11705	ISO 527	MPa	53.2
Tensile Modulus	ASTM D882	psi	284274	ISO 527	MPa	1862
Tensile Elongation at Break	ASTM D882	%	>100	ISO 527	%	>100
THERMAL						
Coefficient of Thermal	ASTM E831	($x10^{-5}$/°F)	3~3.5	ISO 11359	($x10^{-5}$/°C)	6~7
Glass Transition Temperature	ASTM D3417 / D3418	°F	302	ISO 11357	°C	150
HDT	ASTM D648	°C	132		°C	132
PHYSICAL						
Density	ASTM D792		1.2	ISO 1183	g/m^3	1.2
Water Absorption, 24 hrs.	ASTM D570	% change	0.17	ISO 62	% change	0.02
Surface Roughness (RMS)	ASME B46-1	µ	0.6~0.8			
Surface Resistivity	ASTM D257-99	ohms/sq	$3.4x10^{16}$	ISO 60093	ohms/sq	$3.4x10^{16}$
OPTICAL						
Light Transmission	ASTM D1003	%	89.9			
Haze	ASTM D1003	%	89.0			
Gloss min/max @ 60°	ASTM D523-60	-	10.6/11.2	ISO 2813	-	10.6/11.2
Gloss min/max @ 85°	ASTM D523-60	-	34.1/35.3	ISO 2813	-	34.1/35.3

◆ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local POLYVANTIS representative or the POLYVANTIS Quality Services Department. Reported values are based on 0.150 mm (0.006") Thickness unless otherwise noted

MANUFACTURING SPECIFICATIONS

NOMINAL GAUGE RANGES	MIN./MAX LIMIT OF NOMINAL
<0.010"(0.250mm)	± 10%

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