POLYVANTIS

PRODUCT DATASHEET

LEXAN™ SD8B24H FILM

DESCRIPTION

LEXAN™ SD8B24H film is a one side fine velvet (FV), one side fine matte (FM) white opaque polycarbonate film that is typically used in governmental documents, such as passport data pages, ID cards, driving licenses, etc. It offers great printability, ease of processing (laminating, die-cutting, embossing) and increased opacity versus the standard LEXAN SD8B24. LEXAN SD8B24H film is available in gauges ranging from 30 – 200 µm and in color 8G9A4499.

TYPICAL PROPERTY VALUES*

PROPERTY	TEST METHOD	UNITS	VALUE
MECHANICAL			
Tensile Strength @ Yield	ISO 527	MPa	49.7
Ultimate	ISO 527	MPa	54.7
Tensile Modulus	ISO 527	MPa	2550
Tensile Elongation at Break	ISO 527	%	111
THERMAL			
Glass Transition Temperature	ISO 11357	°C	149
Vicat Softening Temperature, B50	ISO 306	°C	147
Heat Deflection Temp. Af 120°C/h	ISO 75 Modified	°C	132
Shrinkage MD at 130°C, 30min	Internal method	%	0.21
PHYSICAL			
Density	ISO 1183	g/cm³	1.45
Surface Roughness Ra	ISO 4288	µm	1.11 (FM)
Surface Roughness Ra	ISO 4288	µm	2.34 (FV)
Surface Roughness R3z	ISO 4288	µm	5.21 (FM)
Surface Roughness R3z	ISO 4288	µm	11.48 (FV)
OPTICAL			
Light Transmission	ASTM D1003	%	5.03
Optical density			1.26
Color:	CIELab, Reflection,		
L-value	D65, 10°		94.80
a-value			-0.44
b-value			-2.38

* These typical values are not intended for specification purposes. Reported Values are based on 0.0042" (0.105 mm) gauge thickness unless otherwise noted.

NOMINAL GAUGE RANGES	MIN./MAX LIMIT OF NOMINAL
0.030 mm	± 10%
0.050 – < 0.200 mm	± 5%

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LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

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