POLYVANTIS

PRODUCT DATASHEET

LEXAN™ 80650 FILM

DESCRIPTION

LEXAN™ 80650 is a transparent polycarbonate film, specially developed for UV cured screen printing technique. Allowing optimal cure of the ink and keeping integrity of the base color of the Lexan™ film.

TYPICAL PROPERTY VALUES*

PROPERTY	TEST METHOD	UNITS	VALUE
PHYSICAL			
Density	ISO 1183	g/cm³	1.20
Water absorption, saturation, 23°C	ISO 62	%	0.35
Pencil hardness	ASTM D3363	--	B
MECHANICAL			
Tensile stress at yield	ISO 527	MPa	63
Tensile stress at break	ISO 527	MPa	70
Elasticity modulus	ISO 527	MPa	2350
Tensile elongation at break	ISO 6603-1	%	120
Gardner-impact, 0,75 mm	ASTM D3029	J	31
Tear initiation	ASTM D1004	kN/m	245-315
Tear propagation	ASTM D1922	kN/m	10-20
THERMAL			
Coefficient of thermal expansion	DIN 53752	1/°C	6.8×10^{-5}
HDT /Ae 1,82 N/mm2	ISO 75	°C	135
Thermal conductivity	DIN 52612	W/m°C	0.20
Specific heat@40oF	ASTM C351	kJ/kgºC	7
OPTICAL			
Light transmission	ASTM D1003	%	90
Yellowness Index	ASTM D1925	---	<1.0
Refractive index, 25°C	DIN 53491	--	1.586
UL LISTING FILM			
UL listing film: E539252			

*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.

Surface appearance	Gauge (mm)	Color
Polished / polished	0.75-1.00	11295 (transparent)

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www.polyvantis.com/lexan

LEXAN™ POLYCARBONATE SHEET & FILM Tough, Virtually Unbreakable

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