POLYVANTIS

PRODUCT DATASHEET

LEXAN™ DPOQ92W FILM

DESCRIPTION

LEXAN™ DPOQ92W is a one side primed film designed for increased digital UV ink adhesion under laminating adhesive exposure where other polycarbonate film solutions may not perform as needed. Due to rapid development of ink adhesion, post drying of the printed artwork prior to adhesive lamination can be eliminated (with many digital ink sets) thus reducing production cycle time. LEXAN™ DPOQ92W optical film is a high-performance coated film which may offer very good chemical/abrasion/UV resistance, together with improved surface quality and tighten gauge variation over standard LEXAN HP92W film. This highly durable, easily printed film may help create new opportunities in outdoor graphic applications.

TYPICAL PROPERTY VALUES*

PROPERTY	TEST METHOD	UNITS	VALUE
PHYSICAL			
Specific Gravity (color dependent)	ASTM D792	-	1.20
Density	ISO 1183	g/cm^3	1.2
Surface Energy (Coated surface/ Uncoated	ASTM D5946-01	dynes/cm	(41/32)
Pencil Hardness (Coated surface/ Uncoated	ASTM D3363-05	--	(HB/3B)
Taber Abrasion	ASTM D1044-04	delta Haze %	5.15
OPTICAL			
Haze (Average)	ASTM D1003 / ISO 14782	%	0.7
Light Transmission	ASTM D1003 / ISO13468	%	91
Yellowness Index	ASTM D1925	--	0.8
Specular Gloss	ASTM D523-89	--	160
UV % transmission at 380 nm	UV/ Visual Spectroscopy	%	35
THERMAL			
Shrinkage at 150°C (302 F)	ASTM D1204-02		
-Machine Direction		%	1.49
-Web Direction		%	1.30
Flammability Burn Class	ASTM D635		CC1

◆ All tests are done with 0.015" thick sample - Taber abrasion used 100 cycles with CS10F wheels and 500 grams load

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LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

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