POLYVANTIS

PRODUCT DATASHEET

VALOX™ HPNGFF FILM

DESCRIPTION

VALOX™ HPNGFF film is a one-side coated anti-fog PET film. With an adhesive backing it is an excellent candidate for use in display case refrigeration units such as those found in grocery and convenience stores. It offers long-term anti-fog performance, abrasion resistance, impact resistance, and good optical clarity. VALOX HPNGFF film also provides chemical resistance, anti-static properties and is printable for customized design. Typical applications include: Refrigerated cases, Instrument lenses & Display panels, Mirrors, Windows, Pool enclosures and Auto-Glass.

TYPICAL PROPERTY VALUES*

PROPERTY	ASTM TEST METHOD	UNITS USCS	VALUE	UNITS (METRIC)	VALUE
MECHANICAL					
Elongation at Break MD	ASTM D882A	ft-lb	150	N-m	203
Elongation at Break TD	ASTM D882A	ft-lb	100	N-m	135
Yield (nominal)		in2/lb	5,000	M^2/kg	7
Yield Strength MD	ASTM D882A	PSI	14,000	Kg/m^2	9,842,000
Yield Strength TD	ASTM D882A	PSI	14,000	Kg/m^2	9,842,000
THERMAL					
Shrinkage MD (190C)		%	<2.5		
Shrinkage TD (190C)		%	<1.0		
PHYSICAL					
Thickness (Gauge)		mil	4	mm	0.1
Pencil Hardness	ASTM D3363	-	F		
Taber Abrasion	ASTM D1044	delta Haze	6-10		
OPTICAL					
Light Transmission	ASTM D1003	%	>88		
Haze	ASTM D1003	%	<0.5		
ANTIFOG PROPERTIES					
45 degree angle over 50C water		sec	>90		
ADHESIVE PROPERTIES					
180 degree peel on glass		oz	50 - 100	kg	1.4 - 2.8

- 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 4mil gauge thickness unless otherwise noted.

CLEANING INSTRUCTIONS

Suggested cleaning for cleaning anti-fog coated side of film

Gently wash sheet with a solution of mild soap and lukewarm water, using a soft, grit-free cloth to loosen any dirt or grime.

PRODUCT AVAILABILITY

GRADE	GAUGE MM	WIDTH MM	LENGTH MM
VALOX™ HPNGFF	0.102 (0.004”)	1524 (60”)	600 (2000ft)

POLYVANTIS

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LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

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