

**POLYESLINE S.L.U**

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POLYES-FILM (B-2160)

TECHNICAL SPECIFICATION SHEET

DESCRIPTION: B-2160 is white opaque polyester film having smooth surface, excellent superior gloss, high opacity and good handling property.

APPLICATIONS: High opacity film suitable for Label printing, Photographic printing, coating and other general application.

SALIENT FEATURES:

- High Opacity
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

**TECHNICAL DATA**

Properties	Test method	Unit	B-2160			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	50 (200)	75 (300)	125 (500)	
Yield	JPFTM	m ² /kg (in ² /lb)	14 (9850)	9.4 (6600)	5.6 (3950)	
OPTICAL						
Opacity (Min)	CIE Standard	%	90	93	96	
Total luminous transmittance	ASTM D-1003	%	20	15	10	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1400 (19900)	1400 (19900)	1400 (19900)
	TD	ASTM D-882	Kg/cm ² (psi)	1500 (21300)	1500 (21300)	1500 (21300)
Elongation (Min)	MD	ASTM D-882	%	100	100	100
	TD	ASTM D-882	%	80	80	80
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.35	0.35	0.35
	Dy	ASTM D-1894	-	0.30	0.30	0.30
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
SURFACE						
Wetting tension (Min)	ASTM D-2578	Dyne / cm	44	44	44	
Electrical						
Volume Resistivity	ASTM D-256	Ohm cm	10 ¹⁶	10 ¹⁶	10 ¹⁶	

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. POLYESLINE S.L.U. suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.

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**TECHNICAL DATA**

Properties	Test method	Unit	B.2160		
PHYSICAL					
Thickness	ASTM D-374	Micron (Gauge)	175 (700)	250 (1000)	
Yield	JPFTM	m ² /kg (in ² /lb)	4.0 (2800)	2.8 (2000)	
OPTICAL					
Opacity (Min)	CIE Standard	%	98	99	
Total luminous transmittance	ASTM D-1003	%	7	3	
MECHANICAL					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1400 (19900)	1300 (18500)
	TD	ASTM D-882	Kg/cm ² (psi)	1500 (21300)	1400 (19900)
Elongation (Min)	MD	ASTM D-882	%	100	100
	TD	ASTM D-882	%	80	80
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.35	0.35
	Dy	ASTM D-1894	-	0.30	0.30
THERMAL					
Shrinkage (150°C / 30 min) (Max)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
SURFACE					
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