

**POLYESLINE S.L.U.**

Polígono Industrial "Els Mollons". C/ Tapissers, 4 – 46970 Alaquas, Valencia –Spain.

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Web site: [www.polyesline.com](http://www.polyesline.com)**POLYES-FILM (B-21612)****TECHNICAL SPECIFICATION SHEET****DESCRIPTION:** B-21612 is white opaque polyester film, both side chemically coated film having smooth surface, superior gloss, high opacity and good handling property.**APPLICATIONS:** Film suitable for Label printing, Photographic printing, coating and other general application.**SALIENT FEATURES:**

- High Opacity
- Excellent adhesion to solvent base ink
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

**TECHNICAL DATA**

Properties	Test method	Unit	B-21612			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	50 (200)	75 (300)	125 (500)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	14 (9850)	9.4 (6600)	5.6 (3950)	
<b>OPTICAL</b>						
Opacity (Min)	CIE Standard	%	90	93	96	
Total luminous transmittance	ASTM D-1003	%	20	15	10	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1400 (19900)	1400 (19900)	1400 (19900)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (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
<b>THERMAL</b>						
Shrinkage (150°C / 30 min) (Max)	MD	ASTM D-1204	%	2.5	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5	1.5
<b>SURFACE</b>						
Wetting tension (Min)	ASTM D-2578	Dyne / cm	40	40	40	
<b>Electrical</b>						
Volume Resistivity	ASTM D-256	Ohm cm	10 <sup>16</sup>	10 <sup>16</sup>	10 <sup>16</sup>	

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-21612		
<b>PHYSICAL</b>					
Thickness	ASTM D-374	Micron (Gauge)	175 (700)	250 (1000)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	4.0 (2800)	2.8 (2000)	
<b>OPTICAL</b>					
Opacity (Min)	CIE Standard	%	98	99	
Total luminous transmittance	ASTM D-1003	%	7	3	
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1400 (19900)	1300 (18500)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (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
<b>THERMAL</b>					
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
<b>SURFACE</b>					
Wetting tension (Min)	ASTM D-2578	Dyne / cm	40	40	
<b>Electrical</b>					
Volume Resistivity	ASTM D-256	Ohm cm	10 <sup>16</sup>	10 <sup>16</sup>	

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