

**POLYESLINE S.L.U.**

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

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POLYES-FILM (B-21611)

TECHNICAL SPECIFICATION SHEET

**DESCRIPTION:** B-21611 is white opaque polyester film, one side chemically coated, other side plain film having smooth surface, excellent 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-21611			
<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 the technical data sheets of our products are typical performance data and are believed to be accurate. These are given in good faith, but it is up to the client to verify the suitability for his own particular purpose. POLYESLINE S.L.U. suggests to the customer to confirm these values and the compatibility of the product before use. POLYESLINE S.L.U. does not offer any guarantee or accept any responsibility for the suitability of the product for a particular use. For this reason, POLYESLINE S.L.U. will only be liable in the event that the material is defective, and only after its manufacturer confirms and ratifies it; and will never be responsible for the damages caused by its use, nor will it be responsible for them, nor for cost of the transport for return or replacement, if applicable

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**TECHNICAL DATA**

Properties	Test method	Unit	B-21611		
<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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