

**POLYESLINE S.L.**

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

Tel: 0034 96 006 65 10 Mail: comercial@polyesline.com

Web site: [www.polyesline.com](http://www.polyesline.com)**POLYES-FILM (B-2153)****TECHNICAL SPECIFICATION SHEET**

**DESCRIPTION:** B-2153 is untreated; Co extruded standard clear film having excellent surface, good clarity, superior gloss and good handling property.

**APPLICATIONS:** High clarity film suitable for Metallization, holographic, high quality lamination and other general- purpose application.

**SALIENT FEATURES:**

- High clarity and Transparency
- High surface gloss
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

<b>TECHNICAL DATA</b>						
Properties	Test method	Unit	B-2153			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron (Gauge)	75 (300)	100 (400)	125 (500)	
Yield	JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	9.5 (6680)	7.1(4990)	5.7 (4000)	
<b>OPTICAL</b>						
Haze	ASTM D-1003	%	2.0	2.2	2.5	
Total luminous transmittance	ASTM D-1003	%	89	89	89	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1700 (24200)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	120	120	120
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.45	0.45	0.45
	Dy	ASTM D-1894	-	0.35	0.35	0.35
<b>THERMAL</b>						
Shrinkage (150 <sup>o</sup> 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	44	44	44	
<b>Electrical</b>						
Volume Resistivity	ASTM D-256	Ohm cm	10 <sup>^</sup> 16	10 <sup>^</sup> 16	10 <sup>^</sup> 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. POLYESFIL S.L. 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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<b>TECHNICAL DATA</b>					
Properties		Test method	Unit	B-2153	
<b>PHYSICAL</b>					
Thickness		ASTM D-374	Micron (Gauge)	150 (600)	175 (700)
Yield		JPFTM	m <sup>2</sup> /kg (in <sup>2</sup> /lb)	4.7 (3300)	4.1 (2880)
<b>OPTICAL</b>					
Haze		ASTM D-1003	%	2.7	3.0
Total luminous transmittance		ASTM D-1003	%	89	89
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1700 (24200)	1700 (24200)
Elongation (Min)	MD	ASTM D-882	%	120	120
	TD	ASTM D-882	%	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.45	0.45
	Dy	ASTM D-1894	-	0.35	0.35
<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	44	44
<b>Electrical</b>					
Volume Resistivity		ASTM D-256	Ohm cm	10 <sup>16</sup>	10 <sup>16</sup>

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TECHNICAL DATA					
Properties	Test method		Unit	B-2153	
<b>PHYSICAL</b>					
Thickness	ASTM D-374		Micron (Gauge)	188 (752)	250 (1000)
Yield	JPFTM		m <sup>2</sup> /kg (in <sup>2</sup> /lb)	3.8 (2650)	2.9 (2040)
<b>OPTICAL</b>					
Haze	ASTM D-1003		%	3.5	4.5
Total luminous transmittance	ASTM D-1003		%	89	89
<b>MECHANICAL</b>					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1650 (23500)	1600 (22800)
	TD	ASTM D-882	Kg/cm <sup>2</sup> (psi)	1650 (23500)	1600 (22800)
Elongation (Min)	MD	ASTM D-882	%	120	120
	TD	ASTM D-882	%	100	100
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.45	0.45
	Dy	ASTM D-1894	-	0.35	0.35
<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	44	44
<b>Electrical</b>					
Volume Resistivity	ASTM D-256		Ohm cm	10 <sup>16</sup>	10 <sup>16</sup>

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