



POLYESLINE S.L.U.
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POLYES-FILM (B-2150)

TECHNICAL SPECIFICATION SHEET

DESCRIPTION: B-2150 is Transparent, Co extruded high clarity polyester film having smooth surface, excellent clarity and good handling property.

APPLICATIONS: High clarity film suitable for face shield application, metallization, holographic, high quality lamination and other general application.

SALIENT FEATURES:

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



TECHNICAL DATA

Properties	Test method	Unit	B-2150			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	23 (92)	36 (144)	50 (200)	
Yield	JPFTM	m ² /kg (in ² /lb)	31 (21800)	19.8 (13900)	14 (10000)	
OPTICAL						
Haze	ASTM D-1003	%	1.2	1.2	1.4	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1900 (27000)	1900 (27000)	1900 (27000)
	TD	ASTM D-882	Kg/cm ² (psi)	1800 (25600)	1800 (25600)	1800 (25600)
Elongation (Min)	MD	ASTM D-882	%	90	90	90
	TD	ASTM D-882	%	85	85	85
Coefficient of friction (Side-A / B) (Max)	St	ASTM D-1894	-	0.60	0.60	0.60
	Dy	ASTM D-1894	-	0.50	0.50	0.50
THERMAL						
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.40	0.40	0.40
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 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-1250			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	75 (300)	100 (400)	125 (500)	
Yield	JPFTM	m ² /kg (in ² /lb)	9.5 (6680)	7.1(4990)	5.7 (4000)	
OPTICAL						
Haze	ASTM D-1003	%	1.4	1.6	1.8	
Total luminous transmittance	ASTM D-1003	%	90	90	90	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm ² (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	-	0.50	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40	0.40
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	

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**TECHNICAL DATA**

Properties	Test method	Unit	B-2150		
PHYSICAL					
Thickness	ASTM D-374	Micron (Gauge)	175 (700)	250 (1000)	
Yield	JPFTM	m ² /kg (in ² /lb)	4.1 (2880)	2.9 (2040)	
OPTICAL					
Haze	ASTM D-1003	%	2.4	3.0	
Total luminous transmittance	ASTM D-1003	%	90	90	
MECHANICAL					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1600 (22800)
	TD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	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	-	0.50	0.50
	Dy	ASTM D-1894	-	0.40	0.40
THERMAL					
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
SURFACE					
Wetting tension (Min)	ASTM D-2578	Dyne / cm	44	44	
Electrical					
Volume Resistivity	ASTM D-256	Ohm cm	10 ¹⁶	10 ¹⁶	

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