



POLYESLINE S.L.U.

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

POLYES-FILM (B-2147)

TECHNICAL SPECIFICATION SHEET

DESCRIPTION: B-2147 is co extruded tough milky white polyester film having excellent surface and good electrical property.

APPLICATIONS: Suitable for insulation in rotating electrical machine and other general application.

SALIENT FEATURES:

- Tough flexibility to prevent delamination.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability



TECHNICAL DATA					
Properties		Test method	Unit	B-2147	
PHYSICAL					
Thickness		ASTM D-374	Micron (Gauge)	75 (300)	100 (400)
Yield		JPFTM	m ² /kg (in ² /lb)	9.5(6670)	7.1(4990)
OPTICAL					
Haze		ASTM D-1003	%	60	65
Total luminous transmittance		ASTM D-1003	%	85	80
MECHANICAL					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1700 (24200)	1700 (24200)
	TD	ASTM D-882	Kg/cm ² (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	-	0.35	0.35
	Dy	ASTM D-1894	-	0.30	0.30
THERMAL					
Shrinkage (Max) (150°C / 30 min)	MD	ASTM D-1204	%	2.5	2.5
	TD	ASTM D-1204	%	1.5	1.5
Electrical					
Break Down Voltage		ASTM D-149	KV	13	15
Volume Resistivity		ASTM D-256	Ohm cm	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.

**POLYESLINE S.L.U.**

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

POLYES-FILM (B-2147)

TECHNICAL SPECIFICATION SHEET

DESCRIPTION: B-2147 is co extruded tough milky white polyester film having excellent surface and good electrical property.

APPLICATIONS: Suitable for insulation in rotating electrical machine and other general application.

SALIENT FEATURES:

- Tough flexibility to prevent delamination.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability



TECHNICAL DATA						
Properties	Test method	Unit	B-2147			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	125 (500)	190 (760)	225 (900)	
Yield	JPFTM	m ² /kg (in ² /lb)	5.7 (4000)	3.7 (2600)	3.2(2225)	
OPTICAL						
Haze	ASTM D-1003	%	70	80	85	
Total luminous transmittance	ASTM D-1003	%	75	71	68	
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	-	0.35	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
Electrical						
Break Down Voltage	ASTM D-149	KV	17	20	21	
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



POLYESLINE S.L.U.

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

POLYES-FILM (B-2147)

TECHNICAL SPECIFICATION SHEET

DESCRIPTION: B-2147 is co extruded tough milky white polyester film having excellent surface and good electrical property.

APPLICATIONS: Suitable for insulation in rotating electrical machine and other general application.

SALIENT FEATURES:

- Tough flexibility to prevent delamination.
- Good insulation property
- Excellent Machinability
- Excellent Mechanical Properties
- Excellent Dimensional Stability

TECHNICAL DATA						
Properties	Test method	Unit	B-2147			
PHYSICAL						
Thickness	ASTM D-374	Micron (Gauge)	250 (1000)	300 (1200)	350 (1400)	
Yield	JPFTM	m ² /kg (in ² /lb)	2.9 (2040)	2.5 (1760)	2.1 (1440)	
OPTICAL						
Haze	ASTM D-1003	%	90	95	100	
Total luminous transmittance	ASTM D-1003	%	67	65	63	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ² (psi)	1600 (22800)	1600 (22800)	1600 (22800)
	TD	ASTM D-882	Kg/cm ² (psi)	1600 (22800)	1600 (22800)	1600 (22800)
Elongation (Min)	MD	ASTM D-882	%	140	150	150
	TD	ASTM D-882	%	120	130	130
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
Electrical						
Break Down Voltage	ASTM D-149	KV	22	24	26	
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