



# Polyester Film or Mylar® Film Properties

Polyester Film is ideally suited for a wide range of uses such as packaging, printing, die-cutting, electronics, protective overlay, barrier protection, apparel and other industrial applications. Because of Mylar Film or Polyester Film inherent physical properties, it's your best choice for a high performance plastic film/sheet.

Physical Properties			
Properties	Typical Value	Units	Test Method
Tensile Strength (MD)	28,000	psi	ASTM-D882
Tensile Strength (TD)	34,000	psi	ASTM-D882
Strength Elongation MD	15,000	psi	ASTM-D882
Strength F-5 TD	14,000	psi	ASTM-D882
Modulus MD	710,000	psi	ASTM-D882
Modulus TD	740,000	psi	ASTM-D882
Elongation MD	115	%	ASTM-D882
Elongation TD	92	%	ASTM-D882
Surface Roughness	38	nm	Optical Profilometer
Density	1.39	g/cc	ASTM-D1505
Viscosity	0.56	dL/g	ASTM-D4603
Yield	21,000	in <sup>2</sup> /lb	n/a

Electrical Properties				
Properties		Typical Value	Units	Test Method
Dielectric Strength	AC, 20° C, .00092"	7,000	volts/mil	ASTM-D149-64
Dielectric Constant	25° C, 1kHz	3.2	n/a	ASTM-D150-81
Dissipation Factor	25° C, 1kHz	0.005	n/a	ASTM-D150-65
Volume Resistivity	25° C	1.00E+19	ohm-cm	ASTM-D257-78
Corona Threshold		V-AC	V-AC	ASTM-D2275-80

Visit our website: [tapplastics.com](http://tapplastics.com)

**TAP Plastics Corporate Office • 3011 Alvarado Street, Suite A • San Leandro, CA 94577 • 510.895.8249 • Fax 510.895.9613**  
**15 TAP stores in Northern California • 2 in Oregon • 3 in Washington**  
**For the location nearest you call 1 800 246-5055**



the fantastic plastic place

Product Data

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Thermal Properties			
Properties	Typical Value	Units	Test Method
Melting Point	254	° C	n/a
Dimensional Stability	n/a	n/a	n/a
at 105° C MD	0.6	%	n/a
at 105° C TD	0.3	%	n/a
at 150° C MD	1.8	%	n/a
at 150° C TD	1.0	%	n/a
Specific Heat	0.28	cal/g/° C	n/a
Thermal Expansion	1.7 x 10 <sup>-5</sup>	in/in/° C	ASTM-D696
UL94 Flame Class	94VTM-2	n/a	Slow to self extinguishing

Mylar® is a registered trademark of Dupont Teijin Films.

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