

DuPont Teijin Films Melinex® 1311 Polyester Film

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

Material Notes:

Melinex® 1311 is a clear polyester film with antistatic properties on both surfaces for improved web handling and safety. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-1311-Polyester-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	96.5 MPa	14000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	100 MPa	14500 psi	ASTM D882A
Film Elongation at Break, MD	160 %	160 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.60	0.60	A-B; ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	241 MPa	35000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	4.0 %	4.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	1.0 %	1.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	88.2 %	88.2 %	TLT; ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	88.4 %	88.4 %	
	@Thickness 0.102 mm	@Thickness 0.00400 in	TLT; ASTM D1003
	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0762 mm	@Thickness 0.00300 in	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	2.00e+10 ohm @Temperature 25.0 °C	2.00e+10 ohm @Temperature 77.0 °F	500 V DC @ 54% RH; ASTM D257

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