

DuPont Teijin Films Melinex® 514P Polyester Film

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

Material Notes:

This high clarity film has one side hydrophilic pretreated to promote adhesion to many solvent coatings formulations, while the opposite side is pretreated to provide antistatic protection. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-514P-Polyester-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	101 MPa	14600 psi	ASTM D882A
Film Tensile Strength at Yield, TD	207 MPa	30000 psi	ASTM D882A
Film Elongation at Break, MD	190 %	190 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.33	0.33	A-B; ASTM D1894
Film Tensile Strength at Break, MD	181 MPa	26200 psi	ASTM D882A
Film Tensile Strength at Break, TD	207 MPa	30000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.5 %	2.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.40 %	0.40 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	87.1 %	87.1 %	TLT; ASTM D1003
	@Thickness 0.165 mm	@Thickness 0.00650 in	
	87.1 %	87.1 %	
	@Thickness 0.178 mm	@Thickness 0.00700 in	TLT; ASTM D1003
	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0914 mm	@Thickness 0.00360 in	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	6.30e+10 ohm @Temperature 23.0 °C	6.30e+10 ohm @Temperature 73.4 °F	100 V DC 66% RH; ASTM D257

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