

DuPont Teijin Films Melinex® 561 Polyester Film

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

Material Notes:

Melinex® 561 is a high clarity polyester film which is pretreated on both sides to promote adhesion to many industrial coatings and inks.

Melinex® 561 is suitable for applications which require a more die cuttable polyester film. Approvals: UL Recognition - Product has been registered with Underwriters Laboratories Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-561-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	96.5 MPa	14000 psi	ASTM D882A
Film Elongation at Break, MD	200 %	200 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.50	0.50	A-B; ASTM D1894
Film Tensile Strength at Break, MD	165 MPa	24000 psi	ASTM D882A
Film Tensile Strength at Break, TD	207 MPa	30000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.7 %	1.7 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	1.9 %	1.9 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Haze	<= 0.40 %	<= 0.40 %	ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	<= 0.50 %	<= 0.50 %	ASTM D1003
	@Thickness 0.178 mm	@Thickness 0.00700 in	
	<= 1.9 %	<= 1.9 %	ASTM D1003
	@Thickness 0.254 mm	@Thickness 0.0100 in	
	85 %	85 %	

Transmission Visible Optical Properties	Metric @ Thickness 0.254 mm	English @ Thickness 0.0100 in	TLT; ASTM D1003 Comments
	87 %	87 %	TLT; ASTM D1003
	@Thickness 0.178 mm	@Thickness 0.00700 in	
	88 %	88 %	TLT; ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	

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