

DuPont Teijin Films Melinex® 3381 Polyester Film

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

Material Notes:

Melinex® 3381 is a two-side heat sealable, opaque white polyester film which is ideal in specialty card laminate applications. This film can be heat sealed to itself and other polyesters, as well as a variety of substrates including some grades of paper, PVC, and Teslin®. Melinex® 3381 film is available as a developmental product in thicknesses of 600 and 1000 gauge. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-3381-Polyester-Film.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	82.7 MPa	12000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	82.7 MPa	12000 psi	ASTM D882A
Film Elongation at Break, MD	150 %	150 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	>= 0.90	>= 0.90	A-B; ASTM D1894
Film Tensile Strength at Break, MD	138 MPa	20000 psi	ASTM D882A
Film Tensile Strength at Break, TD	138 MPa	20000 psi	ASTM D882A
Heat Seal Strength Initiation Temperature	135 - 191 °C	275 - 375 °F	1 sec @40 psi

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.0 %	2.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	2.0 %	2.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	5.0 %	5.0 %	TLT, Gardner Haze; ASTM D1003-77
	@Thickness 0.254 mm	@Thickness 0.0100 in	
	7.0 %	7.0 %	

Optical Properties

Metric
@ Thickness 0.152 mm

English
@ Thickness 0.00600 in

T.T. Gardner Haze; ASTM D1003-77
Comments

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