

DuPont Teijin Films Melinex® 943 Polyester Film

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

Material Notes:

Melinex® 943 is a super clear film with internal UV blocker. It is pretreated on one surface to promote adhesion to many solvent systems. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-943-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
Optical Density	0.69	0.69	ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	0.69	0.69	
	@Thickness 0.178 mm	@Thickness 0.00700 in	ASTM D1003
	0.69	0.69	Reference Wratten 18A Filter
	@Thickness 0.254 mm	@Thickness 0.0100 in	
Haze	0.40 %	0.40 %	ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	

Optical Properties	Metric	English	Comments
	@Thickness 0.178 mm	@Thickness 0.00700 in	ASTM D1003
	1.0 %	1.0 %	ASTM D1003
	@Thickness 0.254 mm	@Thickness 0.0100 in	

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