

DuPont Teijin Films Melinex® 313 Polyester Film

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

Material Notes:

Melinex® 313 is a general purpose polyester film with consistently good handling properties. It is pretreated on one side for adhesion. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-313-Polyester-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	100 MPa	14500 psi	ASTM D882A
Film Tensile Strength at Yield, TD	100 MPa	14500 psi	ASTM D882A
Film Elongation at Break, MD	150 %	150 %	ASTM D882A
Film Elongation at Break, TD	110 %	110 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	A-B; ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	228 MPa	33000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.5 %	3.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	3.5 %	3.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Haze	3.6 %	3.6 %	ASTM D1003
	@Thickness 0.0122 mm	@Thickness 0.000480 in	
	5.3 %	5.3 %	ASTM D1003
	@Thickness 0.0234 mm	@Thickness 0.000920 in	
Transmission, Visible	87 %	87 %	TLT; ASTM D1003
	@Thickness 0.0234 mm	@Thickness 0.000920 in	

Optical Properties	88.5 % Metric	88.5 % English	Comments
	@Thickness 0.0122 mm	@Thickness 0.000480 in	TUV, ASTM D1003

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