

DuPont Teijin Films Melinex® 197 Polyester Film

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

Material Notes:

Melinex® 197 is a very clear polyester film with good handling properties, suitable for general purpose applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-197-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	140 %	140 %	ASTM D882A
Film Elongation at Break, TD	100 %	100 %	ASTM D882A
Coefficient of Friction, Dynamic	0.50	0.50	A-B; ASTM D1894
Film Tensile Strength at Break, MD	207 MPa	30000 psi	ASTM D882A
Film Tensile Strength at Break, TD	234 MPa	34000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.2 %	3.2 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	2.5 %	2.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Haze	0.90 %	0.90 %	ASTM D1003
	@Thickness 0.0122 mm	@Thickness 0.000480 in	
	1.0 %	1.0 %	
	@Thickness 0.234 mm	@Thickness 0.00920 in	ASTM D1003
	2.0 %	2.0 %	ASTM D1003
	@Thickness 0.0508 mm	@Thickness 0.00200 in	
	87.7 %	87.7 %	

Optical Properties	Metric	English	Comments
	@Thickness 0.0508 mm	@Thickness 0.00200 in	TLT; ASTM D1003
	88.2 %	88.2 %	TLT; ASTM D1003
	@Thickness 0.234 mm	@Thickness 0.00920 in	
	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0122 mm	@Thickness 0.000480 in	

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