

DuPont Teijin Films Melinex® 523 Polyester Film

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

Material Notes:

Melinex® 523 is a high clarity polyester film. It is pretreated on both surfaces with MAP (multiple application pretreatment) to promote adhesion to most aqueous and solvent coating formulations. Intended for use in applications where thermal stability and adhesion properties are key requirements. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-523-Polyester-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	89.6 MPa	13000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	89.6 MPa	13000 psi	ASTM D882A
Film Elongation at Break, MD	200 %	200 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Static	0.40 - 0.50	0.40 - 0.50	ASTM D1894
Film Tensile Strength at Break, MD	138 MPa	20000 psi	ASTM D882A
Film Tensile Strength at Break, TD	172 MPa	25000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.0 %	1.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.80 %	0.80 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	87 %	87 %	TLT; ASTM D1003
	@Thickness 0.178 mm	@Thickness 0.00700 in	
	88 %	88 %	TLT; ASTM D1003
	@Thickness 0.0965 mm	@Thickness 0.00380 in	
	88 %	88 %	TLT; ASTM D1003
	@Thickness 0.102 mm	@Thickness 0.00400 in	

Optical Properties	88 % Metric	88 % English	Comments
	@Thickness 0.127 mm	@Thickness 0.00500 in	ASTM D1003
	89 % @Thickness 0.0673 mm	89 % @Thickness 0.00265 in	TLT; ASTM D1003
	89 % @Thickness 0.0762 mm	89 % @Thickness 0.00300 in	TLT; ASTM D1003

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China