

## DuPont Teijin Films Melinex® 516 Polyester Film

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

### Material Notes:

Melinex® 516 is a high clarity polyester film which is pretreated on both sides for slip to combine good handling properties with high clarity and brilliance. Typical Applications: Some typical uses include: layout base, post lamination, MTS, color proofing, labels, flexible circuits, archival sheeting, and printing plates. Approvals: UL 94 VTM-2 - for 300 - 700 gauge (0.076 - 0.18mm) and Library of Congress Specification - This film meets the Library of Congress Specification Number 500-500-5/31/95 for use in archival storage. Available in 250, 275, 300, 360, 370, 400, 460, 500, and 600 Gauge. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-516-Polyester-Film.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-516-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	100 MPa	14500 psi	ASTM D882A
Film Elongation at Break, MD	180 %	180 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.45	0.45	A-B; ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	241 MPa	35000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.5 %	2.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.40 %	0.40 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	88 %	88 %	TLT; ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	88.3 %	88.3 %	
	@Thickness 0.102 mm	@Thickness 0.00400 in	TLT; ASTM D1003
	88.5 %	88.5 %	TLT; ASTM D1003

Optical Properties	@Thickness 0.0762 Metric	@Thickness 0.00300 in English	Comments
	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0673 mm	@Thickness 0.00265 in	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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