

## DuPont Teijin Films Melinex® 513P Polyester Film, 650 Gauge

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

### Material Notes:

Melinex® 513P is a high clarity, knurled film with excellent handling properties that is pretreated on both sides to promote adhesion to most industrial coatings. General Product Info: Melinex® 513P is used for direct write film in electronic circuit board manufacture. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-513P-Polyester-Film-650-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-513P-Polyester-Film-650-Gauge.php)

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	86.2 MPa	12500 psi	ASTM D882A
Film Tensile Strength at Yield, TD	82.7 MPa	12000 psi	ASTM D882A
Coefficient of Friction, Dynamic	0.50	0.50	[in<sup>2</sup>/lb], A-B; ASTM D1894
Film Tensile Strength at Break, MD	172 MPa	25000 psi	ASTM D882A
Film Tensile Strength at Break, TD	186 MPa	27000 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
Haze	1.0 %	1.0 %	ASTM D1003

Descriptive Properties	Value	Comments
Absorbance	0.0007	MTM 2.34 @ 366 nM
Color	-0.06	a, DuPont Test Method
	1.75	b, DuPont Test Method
	96.2	L, DuPont Test Method

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