

## DuPont Teijin Films Melinex® ST328 Polyester Film, 1400 Gauge

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

### Material Notes:

Melinex® ST328 is an exceptionally white, opaque film with a satin finish. It is pretreated on both surfaces to promote adhesion to a wide range of solvent-based and UV-curable graphics inks and varnishes, silver conducting inks and dielectrics, and has been heat stabilized to give excellent dimensional stability at temperatures up to 302°F. Typical Applications: Melinex® ST328 has been developed for use in screen-printed medical test strips where a white background appearance is required. The tight thickness control of this film ensures reliable insertion into reading devices. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-ST328-Polyester-Film-1400-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-ST328-Polyester-Film-1400-Gauge.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	ASTM D1505-85

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Dynamic	0.40	0.40	A-B; ASTM D1894
Film Tensile Strength at Break, MD	152 MPa	22000 psi	ASTM D882A
Film Tensile Strength at Break, TD	165 MPa	24000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
CTE, linear	19.0 µm/m-°C	10.6 µin/in-°F	
	@Temperature 20.0 - 50.0 °C	@Temperature 68.0 - 122 °F	
Melting Point	255 - 260 °C	491 - 500 °F	ASTM E794-85
Shrinkage, MD	<= 0.20 %	<= 0.20 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 hour	
Shrinkage, TD	<= 0.10 %	<= 0.10 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 hour	

Optical Properties	Metric	English	Comments
Gloss	45 %	45 %	60°; ASTM D1003
Yellow Index	-1.50 %	-1.50 %	ASTM D1925
Transmission, Visible	1.1 %	1.1 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Color	-0.1	a
	-0.8	b
	96.8	L
Whiteness	0.85	ASTM E313-79

## 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