

## DuPont Teijin Films Melinex® 455 Polyester Film

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

### Material Notes:

Melinex® 455 is a high clarity polyester film pretreated on one side for slip. It has excellent handling characteristics. General Product Info: Two smooth coatable surfaces Low surface resistivity Can be topcoated on either side Improves safety and cleanliness Approvals: Library of Congress Specification - This film meets the Library of Congress Specification Number 500-500-5/31/95 for use in archival storage. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-455-Polyester-Film.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-455-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	96.5 MPa	14000 psi	ASTM D882A
Film Elongation at Break, MD	150 %	150 %	ASTM D882A
Film Elongation at Break, TD	100 %	100 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	A-B; ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	248 MPa	36000 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	1.0 %	1.0 %	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 0.165 mm	@Thickness 0.00650 in	
	88 %	88 %	
	@Thickness 0.118 mm	@Thickness 0.00465 in	TLT; ASTM D1003
	88.3 %	88.3 %	TLT; ASTM D1003
	@Thickness 0.0940 mm	@Thickness 0.00370 in	

Optical Properties	Metric	English	Comments
	@Thickness 0.0686 mm	88.5 % @Thickness 0.00270 in	TLT; ASTM D1003
	88.7 % @Thickness 0.0508 mm	88.7 % @Thickness 0.00200 in	TLT; ASTM D1003

## 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