

DuPont Teijin Films Melinex® ST557 Polyester Film, 200 Gauge

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

Material Notes:

Melinex® ST557 is a slightly hazy polyester film with low shrinkage, good flatness, and excellent handling properties. Melinex® ST557 is pretreated with a unique primer on both surfaces for adhesion in special applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-ST557-Polyester-Film-200-Gauge.php

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Static	<= 0.50	<= 0.50	ASTM D1894

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$ @Temperature 20.0 - 50.0 $^{\circ}\text{C}$	10.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$ @Temperature 68.0 - 122 $^{\circ}\text{F}$	
Melting Point	265 $^{\circ}\text{C}$	509 $^{\circ}\text{F}$	
Shrinkage, MD	0.15 % @Temperature 150 $^{\circ}\text{C}$, Time 1800 sec	0.15 % @Temperature 302 $^{\circ}\text{F}$, Time 0.500 hour	Unrestrained
Shrinkage, TD	0.15 % @Temperature 150 $^{\circ}\text{C}$, Time 1800 sec	0.15 % @Temperature 302 $^{\circ}\text{F}$, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Transmission, Visible	85.5 %	85.5 %	TLT; ASTM D1003

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Surface Resistivity per Square	1.00e+13 ohm	1.00e+13 ohm	ASTM D257
Dielectric Constant	2.9 @Frequency 100 Hz	2.9 @Frequency 100 Hz	ASTM D150
Dielectric Strength	197 kV/mm	5000 kV/in	ASTM D149
Dielectric Breakdown	10000 V	10000 V	ASTM D149

Descriptive Properties	Value	Comments
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Descriptive Properties	Value	Comments
Coefficient of Hygroscopic Expansion	0.000008 IN/IN/% RH	40% - 80% RH
Flexural Strength	>20000 cycles	ASTM D2176

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