

DuPont Teijin Films Melinex® ST730 Polyester Film

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

Material Notes:

Melinex® ST730 is an optically clear, heat stabilized polyester film which is differentially treated on both sides. One side provides exceptional adhesion to both solvent based and UV curing inks and lacquers. The other side provides in addition to exceptional adhesion properties, unique UV Multipass exposure resilience. These characteristics make Melinex® ST730 film particularly suited for the graphics layer of membrane touch switches with a multifold exposure to UV. Approvals: UL 94 VTM-2 - for 500, 700, 1000 gauge (0.13, 0.18, 0.25mm) Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-ST730-Polyester-Film.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in³	

Thermal Properties	Metric	English	Comments
CTE, linear	34.2 µm/m-°C	19.0 µin/in-°F	
	@Temperature 20.0 - 50.0 °C	@Temperature 68.0 - 122 °F	
Shrinkage, MD	1.0 %	1.0 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 hour	
Shrinkage, TD	1.0 %	1.0 %	Unrestrained
	@Temperature 150 °C, Time 1800 sec	@Temperature 302 °F, Time 0.500 hour	

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
	@Thickness 0.127 mm	@Thickness 0.00500 in	
	1.0 %	1.0 %	ASTM D1003
	@Thickness 0.178 mm	@Thickness 0.00700 in	
	1.2 %	1.2 %	ASTM D1003
	@Thickness 0.254 mm	@Thickness 0.0100 in	

Descriptive Properties	Value	Comments
Coefficient of Hygroscopic Expansion	0.000008 IN/IN/% RH	40% - 80% RH

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