DuPont Teijin Films Melinex® 329 Polyester Film, 1000 Gauge

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

Material Notes:

Melinex® 329 is an opaque white, non-pretreated, polyester film with good handling properties and a unique glossy appearance. It is used as a base for pressure sensitive labels, in security and access cards, in multiple use tickets and in general printing applications. It is also used for medical diagnostic test strips.Approvals: UL recognized - Product has been registered with Underwriters LaboratoriesInformation provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-329-Polyester-Film-1000-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.51 g/cc	0.0546 lb/in³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	82.7 MPa	12000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	82.7 MPa	12000 psi	ASTM D882A
Film Elongation at Break, MD	115 %	115 %	ASTM D882A
Film Elongation at Break, TD	90 %	90 %	ASTM D882A
Coefficient of Friction, Dynamic	0.30 - 0.40	0.30 - 0.40	A-B; ASTM D1894
Film Tensile Strength at Break, MD	152 MPa	22000 psi	ASTM D882A
Film Tensile Strength at Break, TD	159 MPa	23000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.5 % @Temperature 190 °C, Time 300 sec	1.5 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained
Shrinkage, TD	1.5 % @Temperature 190 °C, Time 300 sec	1.5 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained

Optical Properties	Metric	English	Comments
Gloss	40 %	40 %	45°; ASTM D1003
	45 %	45 %	60°; ASTM D1003

Descriptive Properties	Value	Comments
Yield (nominal)	1833 in^2/lb	

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