

DuPont Teijin Films Melinex® 359 Polyester Film, 700 Gauge

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

Material Notes:

Melinex® 359 is a white opaque polyester film with a two side chemical pre-treatment for improved ink adhesion and laser printing. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-359-Polyester-Film-700-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in³	

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
Coefficient of Friction, Dynamic	0.30 - 0.40	0.30 - 0.40	ASTM D1894
Film Tensile Strength at Break, MD	138 MPa	20000 psi	ASTM D882A
Film Tensile Strength at Break, TD	172 MPa	25000 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
Transmission, Visible	6.5 %	6.5 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Yield (nominal)	2889 in²/lb	

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