

DuPont Teijin Films Melinex® ST339 Polyester Film, 200 Gauge

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

Material Notes:

Melinex® ST339 is a stabilized, opaque white polyester film with good handling and lay flat properties that is pre-treated on both surfaces to promote adhesion to most industrial coatings Typical Applications: Melinex® ST339 is used in applications where the film is exposed to high temperatures and film shrinkage and flatness after the heat exposure is critical. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-ST339-Polyester-Film-200-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in ³	ASTM D1505-85

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, Static	0.32	0.32	ASTM D1894
Film Tensile Strength at Break, MD	138 MPa	20000 psi	ASTM D882A
Film Tensile Strength at Break, TD	159 MPa	23000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	0.10 % @Temperature 150 °C, Time 1800 sec	0.10 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	0.050 % @Temperature 150 °C, Time 1800 sec	0.050 % @Temperature 302 °F, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Gloss	40 %	40 %	45°; ASTM D1003
	45 %	45 %	60°; ASTM D1003
Transmission, Visible	12 %	12 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Whiteness	1	ASTM E313-79
Yield (nominal)	9900 in ² /lb	

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