

DuPont Teijin Films Melinex® 475 Polyester Film, 200 Gauge

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

Material Notes:

Melinex® 475 is a high yield, translucent polyester film with superb handling properties. Both surfaces are pretreated to promote adhesion to most industrial coatings. General Product Info: This film has low extractables and a high tear strength. Approvals: UL Recognition - Product has been registered with Underwriters Laboratories. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-475-Polyester-Film-200-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	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	180 %	180 %	ASTM D882A
Film Elongation at Break, TD	110 %	110 %	ASTM D882A
Coefficient of Friction, Dynamic	0.30	0.30	
Film Tensile Strength at Break, MD	159 MPa	23000 psi	ASTM D882A
Film Tensile Strength at Break, TD	179 MPa	26000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	3.0 %	3.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.50 %	0.50 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Gloss	60 %	60 %	45°, A side; ASTM D1003
	95 %	95 %	45°, B side; ASTM D1003
Transmission, Visible	40 %	40 %	TLT; ASTM D1003

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	100 V DC 50% RH, 1000 sec electrification time; ASTM D257
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Surface Resistivity per Square	1.00e+15 ohm	1.00e+15 ohm	500 V DC @ 50% RH; ASTM D257
	@Temperature 25.0 °C	@Temperature 77.0 °F	

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