

DuPont Teijin Films Melinex® 377 Polyester Film, 500 Gauge

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

Material Notes:

Melinex® 377 is a translucent matte film having a medium surface gloss which is suitable for creating woodgrain and muted metallic effects. Typical Applications: Melinex® is suitable for use in stamping foil, metallizing, and casting/release applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-377-Polyester-Film-500-Gauge.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	100 MPa @Strain >=5.00 %	14500 psi @Strain >=5.00 %	ASTM D882A
Film Tensile Strength at Yield, TD	103 MPa @Strain >=5.00 %	15000 psi @Strain >=5.00 %	ASTM D882A
Film Elongation at Break, TD	100 %	100 %	50% RH; Strain rate 50%/min; ASTM D882-83
Coefficient of Friction, Dynamic	0.30	0.30	A-B; ASTM D1894
Film Tensile Strength at Break, MD	172 MPa	24900 psi	50% RH; Strain rate 50%/min; ASTM D882A
Film Tensile Strength at Break, TD	211 MPa	30600 psi	50% RH; Strain rate 50%/min; ASTM D882A

Thermal Properties	Metric	English	Comments
CTE, linear	16.0 µm/m-°C @Temperature 20.0 - 50.0 °C	8.89 µin/in-°F @Temperature 68.0 - 122 °F	TD
	19.0 µm/m-°C @Temperature 20.0 - 50.0 °C	10.6 µin/in-°F @Temperature 68.0 - 122 °F	MD
Shrinkage, MD	3.0 % @Temperature 190 °C, Time 300 sec	3.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained
	3.0 % @Temperature 190 °C, Time 300 sec	3.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained

Optical Properties	Metric	English	Comments
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Haze Optical Properties	97 % Metric	97 % English	ASTM D1003 Comments
Gloss	92 %	92 %	45°; ASTM D523
	92 %	92 %	60°; ASTM D523
Transmission, Visible	67 %	67 %	TLT; ASTM D1003

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