

DuPont Teijin Films Melinex® 376 Polyester Film

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

Material Notes:

Melinex® 376 is a translucent, smooth, matte polyester film having a medium surface gloss which is suitable for creating woodgrain and muted metallic effects. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-376-Polyester-Film.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	100 MPa	14500 psi	ASTM D882A
Film Tensile Strength at Yield, TD	103 MPa	15000 psi	ASTM D882A
Film Elongation at Break, MD	115 %	115 %	ASTM D882A
Film Elongation at Break, TD	80 %	80 %	ASTM D882A
Coefficient of Friction, Dynamic	0.30	0.30	ASTM D1894
Film Tensile Strength at Break, MD	186 MPa	27000 psi	ASTM D882A
Film Tensile Strength at Break, TD	214 MPa	31000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.8 %	2.8 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.00 %	0.00 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Gloss	28 %	28 %	45°; ASTM D1003
	38 %	38 %	60°; ASTM D1003
Transmission, Visible	80 %	80 %	TLT; ASTM D1003
	@Thickness 0.0234 mm	@Thickness 0.000920 in	
	85 %	85 %	TLT; ASTM D1003
	@Thickness 0.0191 mm	@Thickness 0.000750 in	

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