

DuPont Teijin Films Melinex® 515 Polyester Film

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

Material Notes:

A high clarity film which is two side pretreated for slip to combine good handling properties with high clarity and brilliance. Typical

Applications: MELINEX® 515 is suitable for applications which require a more die cuttable polyester film. Approvals: UL Recognition - 1000 gauge (0.25mm) and Library of Congress Specification - This film meets the Library of Congress Specification Number 500-500-5/31/95 for use in archival storage. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-515-Polyester-Film.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	100 MPa	14500 psi	ASTM D882A
Film Tensile Strength at Yield, TD	100 MPa	14500 psi	ASTM D882A
Film Elongation at Break, MD	190 %	190 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.50	0.50	A-B; ASTM D1894
Film Tensile Strength at Break, MD	172 MPa	25000 psi	ASTM D882A
Film Tensile Strength at Break, TD	200 MPa	29000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.5 %	2.5 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	
Shrinkage, TD	0.40 %	0.40 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	85.5 %	85.5 %	TLT; ASTM D1003
	@Thickness 0.254 mm	@Thickness 0.0100 in	
	87 %	87 %	TLT; ASTM D1003

Optical Properties	@Thickness 0.165 mm Metric	@Thickness 0.00650 in English	Comments
Descriptive Properties		Value	Comments
Yield (nominal)		2840 in ² /lb	700 Gauge

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