

DuPont Teijin Films Melinex® 595 Polyester Film, 400 Gauge

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

Material Notes:

Melinex® 595 is a high clarity film that is one side pretreated to provide anti-charge protection and one side pretreated to promote adhesion to many solvent coating formulations. This film is excellent for color proof applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-595-Polyester-Film-400-Gauge.php

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	96.5 MPa	14000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	96.5 MPa	14000 psi	ASTM D882A
Film Elongation at Break, MD	160 %	160 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Coefficient of Friction, Dynamic	0.45	0.45	A-B; ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	255 MPa	37000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.6 % @Temperature 190 °C, Time 300 sec	1.6 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained
Shrinkage, TD	1.0 % @Temperature 190 °C, Time 300 sec	1.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained

Optical Properties	Metric	English	Comments
Haze	0.50 %	0.50 %	ASTM D1003
Transmission, Visible	89 %	89 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Color	-0.04	a
	2.84	b
	96.24	L

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