

DuPont Teijin Films Melinex® 516R 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. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-516R-Polyester-Film.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	100 MPa	14500 psi	ASTM D882A
Film Elongation at Break, MD	180 %	180 %	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	241 MPa	35000 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	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0698 mm	@Thickness 0.00275 in	
	88.5 %	88.5 %	TLT; ASTM D1003
	@Thickness 0.0762 mm	@Thickness 0.00300 in	

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