

## DuPont Teijin Films Melinex® 454 Polyester Film, 500 Gauge

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

### Material Notes:

Melinex® 454 is an excellent handling, high clarity film with both sides pre-treated to promote adhesion to most printing inks and Industrial coatings. Typical Applications: Melinex® 454 is used as a base for pressure sensitive labels, general industrial coatings and applied window films. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-454-Polyester-Film-500-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-454-Polyester-Film-500-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	150 %	150 %	ASTM D882A
Film Elongation at Break, TD	100 %	100 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	ASTM D1894
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	248 MPa	36000 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	1.0 %	1.0 %	Unrestrained
	@Temperature 190 °C, Time 300 sec	@Temperature 374 °F, Time 0.0833 hour	

Optical Properties	Metric	English	Comments
Haze	0.60 %	0.60 %	ASTM D1003
Transmission, Visible	88 %	88 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Yield (nominal)	4000 in <sup>2</sup> /lb	

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