

## DuPont Teijin Films Melinex® 539 Polyester Film, 370 Gauge

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

### Material Notes:

Melinex® 539 is a two sided treated grade of clear film for applications where freedom from static is required. Its main use is as a montage "foil" in the production of printing plates. Melinex® 539 is available in thicknesses of 370, 500 and 700 gauge. Melinex® 539 is supplied as a knurled reel but is readily available in unknurled reel sheet form through a quality and stockists and distributors worldwide where it is usually referred to as Melinex® 538. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-539-Polyester-Film-370-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-539-Polyester-Film-370-Gauge.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	171 MPa	24800 psi	ASTM D882A
Film Tensile Strength at Break, TD	171 MPa	24800 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Melting Point	255 - 260 °C	491 - 500 °F	ASTM E794-85
Shrinkage, MD	1.0 % @Temperature 190 °C, Time 300 sec	1.0 % @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	<= 1.5 %	<= 1.5 %	ASTM D1003
Transmission, Visible	88 %	88 %	TLT; ASTM D1003

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+10 ohm @Temperature 20.0 °C	1.00e+10 ohm @Temperature 68.0 °F	500 V DC @ 60% RH; ASTM D257

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