

## DuPont Teijin Films Melinex® 6428 Polyester Film, 200 Gauge

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

### Material Notes:

Melinex® 6428 is a high clarity polyester film. It is pretreated on both film surfaces to promote adhesion to EVA. Melinex® 6428 is a developmental film designed for the photovoltaics industry. Also available as 650 Gauge. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-6428-Polyester-Film-200-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-6428-Polyester-Film-200-Gauge.php)

Physical Properties	Metric	English	Comments
Density	1.395 g/cc	0.05040 lb/in <sup>3</sup>	ASTMD1505
Water Vapor Transmission	14.0 g/m <sup>2</sup> /day @Temperature 38.0 °C	0.900 g/100 in <sup>2</sup> /day @Temperature 100 °F	90% RH; ASTM F1249

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	160 %	160 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	A-B; 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	0.60 % @Temperature 150 °C, Time 1800 sec	0.60 % @Temperature 302 °F, Time 0.500 hour	
Shrinkage, TD	0.60 % @Temperature 150 °C, Time 1800 sec	0.60 % @Temperature 302 °F, Time 0.500 hour	

Optical Properties	Metric	English	Comments
Transmission, Visible	88.5 %	88.5 %	TLT; ASTM D1003

Electrical Properties	Metric	English	Comments
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Dielectric Strength Electrical Properties	197 kV/mm Metric	5000 kV/in English	1/4" electrode 500 V/sec 25°C in air; ASTM D149 Comments
Dielectric Breakdown	10000 V	10000 V	1/4" electrode 500 V/sec 25°C in air; ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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