

## DuPont Teijin Films Melinex® 3380 & CORE 1 Polyester Film

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

### Material Notes:

Melinex® 3380 and Melinex® CORE1 are one-side heat sealable, opaque white polyester films which are ideal in specialty laminated card applications. These films can be heat sealed to themselves and other polyesters, as well as a variety of substrates. The two films are identical except that CORE1 is supplied sheeted with the heat seal surface modified to prevent air entrapment during lamination. CORE1 is required where two layers of CORE1 are laminated to each other as part of the card construction. These two films are currently available at thicknesses of 600 gauge and 1210 gauge. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-3380-CORE-1-Polyester-Film.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-3380-CORE-1-Polyester-Film.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in <sup>3</sup>	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	100 %	100 %	ASTM D882A
Film Elongation at Break, TD	80 %	80 %	ASTM D882A
Film Tensile Strength at Break, MD	68.9 MPa	10000 psi	ASTM D882A
Film Tensile Strength at Break, TD	68.9 MPa	10000 psi	ASTM D882A
Heat Seal Strength	>= 1800 g/25 mm	>= 3.97 lb/in	DTF (US) Test Method No. 2.49

Thermal Properties	Metric	English	Comments
Shrinkage, MD	2.0 % @Temperature 190 °C, Time 300 sec	2.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained
Shrinkage, TD	2.0 % @Temperature 190 °C, Time 300 sec	2.0 % @Temperature 374 °F, Time 0.0833 hour	Unrestrained

Optical Properties	Metric	English	Comments
Optical Density	0.90 @Thickness 0.152 mm	0.90 @Thickness 0.00600 in	[%]; DTF (US) Test Method 2.30.2
	1.8 @Thickness 0.307 mm	1.8 @Thickness 0.0121 in	[%]; DTF (US) Test Method 2.30.2

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