

## DuPont Teijin Films Melinex® 342 Polyester Film

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

### Material Notes:

Melinex® 342 is a two-side heat-sealable, clear polyester film which is ideal in specialty card laminate applications. This film can be heat sealed to itself and other polyesters, as well as a variety of substrates including some grades of paper, PVC, and Teslin®. Melinex® 342 film is currently available in thicknesses of 400 and 600 gauge. Information provided by DuPont.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Melinex-342-Polyester-Film.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Melinex-342-Polyester-Film.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	180 %	180 %	ASTM D882A
Film Elongation at Break, TD	130 %	130 %	ASTM D882A
Coefficient of Friction, Dynamic	0.90	0.90	A-B; ASTM D1894
Film Tensile Strength at Break, MD	165 MPa	24000 psi	ASTM D882A
Film Tensile Strength at Break, TD	165 MPa	24000 psi	ASTM D882A
Heat Seal Strength	1500 g/25 mm @Time 2.00 sec, Pressure 0.276 MPa	3.31 lb/in @Time 0.000556 hour, Pressure 40.0 psi	DuPont 275°F, (HS/HS)
Heat Seal Strength Initiation Temperature	135 - 191 °C	275 - 375 °F	1 sec @40 psi

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
Transmission, Visible	86 % @Thickness 0.152 mm	86 % @Thickness 0.00600 in	TLT; ASTM D1003

Optical Properties	87 % Metric	87 % English	Comments <b>D1003</b>
	@Thickness 0.102 mm	@Thickness 0.00400 in	

## Contact Songhan Plastic Technology Co.,Ltd.

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