



# DuPont Teijin Films™

## MELINEX® 377

### Product Description

Melinex® 377 is a translucent matte film having a medium surface gloss which is suitable for creating woodgrain and muted metallic effects.

### Typical Applications

Melinex® is suitable for use in stamping foil, metallizing, and casting/release applications.

### Typical Properties

#### Available Thickness [Gauge]

48; 75; 92; 142; 200; 300; 500

Property	Thickness	Value	Units	Test
<b>OPTICAL</b>				
Gloss 45 Degrees	92	38	%	ASTM D523
Gloss 60 Degrees	92	40	%	ASTM D523
Haze	48	51	%	ASTM D1003
Haze	75	66	%	ASTM D1003
Haze	92	73	%	ASTM D1003
Haze	142	78	%	ASTM D1003
Haze	200	95	%	ASTM D1003
Haze	300-500	97	%	ASTM D1003
Total Light Transmission (TLT)	48	80	%	ASTM D1003
Total Light Transmission (TLT)	75	79	%	ASTM D1003
Total Light Transmission (TLT)	92	78	%	ASTM D1003
Total Light Transmission (TLT)	142	76	%	ASTM D1003
Total Light Transmission (TLT)	200	70	%	ASTM D1003
Total Light Transmission (TLT)	300-500	67	%	ASTM D1003
<b>PHYSICAL</b>				
C.O.F. (dynamic)		0.30		ASTM D1894 (A-B)
Elongation at Break TD		100	%	ASTM D882-83 (23°C at 50% RH, strain rate 50% min)
Tensile Strength MD (break)		24,900	psi	ASTM D882-83 (23°C at 50% RH, strain rate 50% min)
Tensile Strength TD (break)		30,600	psi	ASTM D882-83 (23°C at 50% RH, strain rate 50% min)
Yield Strength MD 5%		14,500	psi	ASTM D882A
Yield Strength TD 5%		15,000	psi	ASTM D882A
<b>THERMAL</b>				
Coefficient of Thermal Expansion - MD		19X10E-6	cm/cm/°C	Between 20-50°C
Coefficient of Thermal Expansion - TD		16X10E-6	cm/cm/°C	Between 20-50°C
Shrinkage MD (190°C)	48	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	75-142	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	200-500	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	48	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	75-142	0.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	200-500	3.0	%	Unrestrained @ 190°C/5 min
Upper Melt Temperature		491-500	°F	ASTM E794-85

## Contact Info

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## Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

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