



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® 377 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
OPTICAL				
Gloss 45 Degrees	92	38	%	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
PHYSICAL				
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
THERMAL				
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

DuPont Teijin Films U.S. Limited Partnership
3600 Discovery Drive

Chester, VA 23836 USA
Tel: (800) 635-4639
Fax: (804) 530-9867

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.

CAUTION: Do not use in medical applications involving permanent implantation in the human body ([DuPont Teijin Films Medical Policy](#)). For other medical applications, see the [Medical Caution Statement](#). DuPont Teijin Films accepts no liability for use of its products in medical applications not reviewed and approved by DuPont Teijin Films or for product misuse. DuPont Teijin Films supplies products to an agreed specification and does not manufacture products designed specifically for medical end use.

Melinex®, Mylar® and Melinex® ST™ are registered trademarks of DuPont Teijin Films U.S. Limited Partnership. Teijin® and Tetoron® are registered trademarks of Teijin Limited used under license by DuPont Teijin Films U.S. Limited Partnership. Teonex® is a registered trademark of Teijin DuPont Films Japan Limited and is used under license by DuPont Teijin Films U.S. Limited Partnership.