

## **MELINEX® 377**

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

Melinex® 377 is suitable for use in stamping foil, metallizing and casting/release applications.

### APPROVALS:

**UL 94 VTM-2 - 500 gauge only**

#### Typical Properties

##### Available Thickness [Gauge]

48; 65; 75; 92; 142; 200; 300; 500

Property	Thickness	Value	Units	Test
<b>OPTICAL</b>				
Gloss 45 Degrees	92	38		ASTM D1003
Gloss 60 Degrees	92	40		ASTM D1003
Haze	142	78	%	ASTM D1003
Haze	200	95	%	ASTM D1003
Haze	300	97	%	ASTM D1003
Haze	48	46	%	ASTM D1003
Haze	500	99	%	ASTM D1003
Haze	92	66	%	ASTM D1003
TLT	142	80	%	ASTM D1003
TLT	200	72	%	ASTM D1003
TLT	300	65	%	ASTM D1003
TLT	48	87	%	ASTM D1003
TLT	500	57	%	ASTM D1003
TLT	92	82	%	ASTM D1003
<b>PHYSICAL</b>				
C.O.F. (dynamic) A-B	48 - 500	0.3		ASTM D1894
Elongation at Break MD	48 - 500	115	%	ASTM D882A
Elongation at Break TD	48 - 500	80	%	ASTM D882A
Tensile Strength MD	48 - 500	27,000	psi	ASTM D882A
Tensile Strength TD	48 - 500	31,000	psi	ASTM D882A
Yield (nominal)	142	14,000	in <sup>2</sup> /lb	
Yield (nominal)	200	9,900	in <sup>2</sup> /lb	
Yield (nominal)	300	6,600	in <sup>2</sup> /lb	
Yield (nominal)	48	42,200	in <sup>2</sup> /lb	
Yield (nominal)	500	4,000	in <sup>2</sup> /lb	
Yield (nominal)	92	21,800	in <sup>2</sup> /lb	
Yield Strength MD	48 - 500	14,500	psi	ASTM D882A
Yield Strength TD	48 - 500	15,000	psi	ASTM D882A
<b>THERMAL</b>				
Shrinkage MD (190°C)	200 - 500	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	48	2.5	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	75-142	2.8	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	200 - 500	3.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	48	3.1	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	75-142	0.0	%	Unrestrained @ 190°C/5 min
Upper Melt Temperature	48 - 500	491 - 500	°F	ASTM E794-85

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