



# DuPont Teijin Films™

## MELINEX® 454

### Product Description

MELINEX® 454 is an excellent handling, high clarity film with both sides pre-treated to promote adhesion to most printing inks and Industrial coatings.

### Typical Applications

MELINEX® 454 is used as a base for pressure sensitive labels, general industrial coatings and applied window films.

### Typical Properties

Available Thickness [Gauge]
142; 200; 300; 400; 500; 700

Property	Thickness	Value	Units	Test
<b>OPTICAL</b>				
Haze	142	0.4	%	ASTM D1003
Haze	200	0.5	%	ASTM D1003
Haze	300	0.5	%	ASTM D1003
Haze	400	0.6	%	ASTM D1003
Haze	500	0.8	%	ASTM D1003
Haze	700	1.0	%	ASTM D1003
Total Light Transmission (TLT)	142 - 300	90	%	ASTM D1003
Total Light Transmission (TLT)	400 - 700	91	%	ASTM D1003
<b>PHYSICAL</b>				
C.O.F. (dynamic)	142 - 700	0.4		ASTM D1894
Elongation at Break MD	142 - 700	150	%	ASTM D882A
Elongation at Break TD	142 - 700	100	%	ASTM D882A
F5-MD	142 - 700	14,000	psi	ASTM D882A
F5-TD	142 - 700	14,000	psi	ASTM D882A
Tensile Strength MD (break)	142 - 700	28,000	psi	ASTM D882A
Tensile Strength TD (break)	142 - 700	36,000	psi	ASTM D882A
Yield (nominal)	142	14,000	in <sup>2</sup> /lb	
Yield (nominal)	200	10,000	in <sup>2</sup> /lb	
Yield (nominal)	300	6,700	in <sup>2</sup> /lb	
Yield (nominal)	400	5,000	in <sup>2</sup> /lb	
Yield (nominal)	500	4,000	in <sup>2</sup> /lb	
Yield (nominal)	700	2,800	in <sup>2</sup> /lb	
<b>THERMAL</b>				
Shrinkage MD (190°C)	142 - 700	2.5	%	Unrestrained @190°C/5 min
Shrinkage TD (190°C)	142 - 700	1.0	%	Unrestrained @190°C/5 min

### 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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