



DuPont Teijin Films™

MELINEX® 453

Product Description

MELINEX® 453 is an excellent handling, high clarity film with one side pre-treated to promote adhesion to most printing inks and Industrial coatings.

Typical Applications

MELINEX® 453 is used as a base for pressure sensitive labels, general industrial coatings and applied window films.

MELINEX® 453 may be used in indirect food contact applications subject to good manufacturing practices and limited to applications where there is a functional barrier between it and the food to prevent food adulteration.

Approvals

UL Recognition - MELINEX® 453 has been registered with Underwriters Laboratories

Typical Properties

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

Property	Thickness	Value	Units	Test
OPTICAL				
Haze	200-300	0.4	%	ASTM D1003
Haze	400-500	0.6	%	ASTM D1003
Haze	700	0.8	%	ASTM D1003
Total Light Transmission (TLT)	200-700	90	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic)	200-400	0.4		ASTM D1894
C.O.F. (dynamic) A-B	500-700	0.3		ASTM D1894
Elongation at Break MD	200-700	160	%	ASTM D882A
Elongation at Break TD	200-700	85	%	ASTM D882A
F5-MD	200-700	14,000	psi	ASTM D882A
F5-TD	200-700	14,000	psi	ASTM D882A
Tensile Strength MD (break)	200-700	26,500	psi	ASTM D882A
Tensile Strength TD (break)	500-700	35,000	psi	ASTM D882A
Tensile Strength TD (break)	200-400	32,000	psi	ASTM D882A
THERMAL				
Shrinkage MD (190°C)	200-700	2.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	200-700	1.0	%	Unrestrained @ 190°C/5 min

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.

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