



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]
142; 200; 300; 400; 500; 700; 1000

Property	Thickness	Value	Units	Test
OPTICAL				
Haze	142-300	0.4	%	ASTM D1003
Haze	400-500	0.6	%	ASTM D1003
Haze	700	0.8	%	ASTM D1003
Haze	1000	1.2	%	ASTM D1003
Total Light Transmission (TLT)	142-1000	90.5	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B	142-1000	0.4		ASTM D1894
Elongation at Break MD	142-1000	150	%	ASTM D882
Elongation at Break TD	142-1000	100	%	ASTM D882
F5-MD	142-1000	14,000	psi	ASTM D882
F5-TD	142-1000	14,000	psi	ASTM D882
Tensile Strength MD (break)	142-1000	25,000	psi	ASTM D882
Tensile Strength TD (break)	142-700	36,000	psi	ASTM D882
Tensile Strength TD (break)	1000	30,000		ASTM D882
THERMAL				
Shrinkage MD (190°C)	142-1000	2.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	142-1000	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.

CAUTION: Do not use in medical applications involving permanent implantation in the human body (DuPont Teijin

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[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.

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