



DuPont Teijin Films™

MELINEX® 339

Product Description

Melinex® 339 is an opaque white polyester film with superb handling properties that is pre-treated on both surfaces to promote adhesion to most industrial coatings.

Typical Applications

Melinex® 339 is used as a base for pressure sensitive labels, photographic printing paper, in security and access cards, in multiple use tickets and in general printing applications.

Approvals

UL recognized - Product has been registered with Underwriters Laboratories

Typical Properties

Available Thickness [Gauge]

200; 300; 380; 500; 700; 820; 1000

Property	Thickness	Value	Units	Test
OPTICAL				
Gloss 45 Degrees	200-1000	40	%	ASTM D1003
Gloss 60 Degrees	200-1000	45	%	ASTM D1003
Total Light Transmission (TLT)	200	12	%	ASTM D1003
Total Light Transmission (TLT)	300	9	%	ASTM D1003
Total Light Transmission (TLT)	500	6	%	ASTM D1003
Total Light Transmission (TLT)	1000	2	%	ASTM D1003
Whiteness	200	100		ASTM E313-79
Whiteness	300	100		ASTM E313-79
PHYSICAL				
Density	200-300	1.43	g/cc	ASTM D1505
Density	380-700	1.48	g/cc	ASTM D1505
Density	820-1000	1.51	g/cc	ASTM D1505
Elongation at Break MD	200-1000	115	%	ASTM D882A
Elongation at Break TD	200-1000	90	%	ASTM D882A
Tensile Strength MD	200-1000	22,000	psi	ASTM D882A
Tensile Strength TD	200-1000	23,000	psi	ASTM D882A
Yield (nominal)	200	9,900	in ² /lb	
Yield (nominal)	300	6,600	in ² /lb	
Yield (nominal)	380	5,200	in ² /lb	
Yield (nominal)	500	4,000	in ² /lb	
Yield (nominal)	700	2,800	in ² /lb	
Yield (nominal)	820	2,400	in ² /lb	
Yield (nominal)	1000	2,000	in ² /lb	
Yield Strength MD	200-1000	12,000	psi	ASTM D882A
Yield Strength TD	200-1000	12,000	psi	ASTM D882A
THERMAL				
Shrinkage MD (190°C)	200	2.8	%	Unrestrained @ 190°C/5 min
Shrinkage MD (190°C)	300-1000	1.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	200	1.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	300-1000	1.5	%	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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