



# DuPont Teijin Films™

## MELINEX® ST339

### Product Description

MELINEX® ST339 is a stabilized, opaque white polyester film with superb handling and lay flat properties that is pre-treated on both surfaces to promote adhesion to most industrial coatings.

### Typical Applications

MELINEX® ST339 is used in applications where the film is exposed to high temperatures and film shrinkage and flatness after the heat exposure is critical.

### Typical Properties

Available Thickness [Gauge]
200; 300; 380; 500; 700; 900; 1000

Property	Thickness	Value	Units	Test
<b>OPTICAL</b>				
Gloss 45 Degrees	200-1000	40	%	ASTM D1003
Gloss 60 Degrees	200-1000	45	%	ASTM D1003
Optical Density	1000	1.20		ASTM D1003
Total Light Transmission (TLT)	1000	2	%	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
Whiteness	200	100	%	ASTM E313-79
Whiteness	300	100	%	ASTM E313-79
<b>PHYSICAL</b>				
C.O.F. (static)	1000	0.32		ASTM D1894
Elongation at Break MD	200-1000	115	%	ASTM D882A
Elongation at Break TD	200-1000	90	%	ASTM D882A
Tensile Strength MD (break)	200-1000	16,000	psi	ASTM D882A
Tensile Strength MD 5%	200-1000	12,000	psi	ASTM D882A
Tensile Strength TD (break)	200-1000	19,000	psi	ASTM D882A
Tensile Strength TD 5%	200-1000	12,000	psi	ASTM D882A
<b>THERMAL</b>				
Shrinkage MD (150°C)	200-1000	0.10	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	200-1000	0.05	%	Unrestrained @ 150°C/30 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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