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# DuPont Teijin Films™

## MELINEX® 516

### Product Description

Melinex® 516 is a high clarity polyester film which is pretreated on both sides for slip to combine good handling properties with high clarity and brilliance.

### Typical Applications

Some typical uses include: layout base, post lamination, MTS, color proofing, labels, flexible circuits, archival sheeting, and printing plates.

### Approvals

**UL 94 VTM-2** - for 300 - 700 gauge (0.076 - 0.18mm)

**Library of Congress Specification** - This film meets the Library of Congress Specification Number 500-500-5/31/95 for use in archival storage.

### Typical Properties

<b>Available Thickness [Gauge]</b>
250; 265; 275; 300; 360; 370; 400; 460; 500; 600

Property	Thickness	Value	Units	Test
<b>OPTICAL</b>				
Total Light Transmission (TLT)	265	88.5	%	ASTM D1003
Total Light Transmission (TLT)	300	88.5	%	ASTM D1003
Total Light Transmission (TLT)	400	88.3	%	ASTM D1003
Total Light Transmission (TLT)	500	88.0	%	ASTM D1003
<b>PHYSICAL</b>				
C.O.F. (dynamic) A-B		0.45		ASTM D1894

Elongation at Break MD		180	%	ASTM D882A
Elongation at Break TD		120	%	ASTM D882A
Tensile Strength MD		28,000	psi	ASTM D882A
Tensile Strength TD		35,000	psi	ASTM D882A
Yield Strength MD		14,000	psi	ASTM D882A
Yield Strength TD		14,500	psi	ASTM D882A
<b>THERMAL</b>				
Shrinkage MD (190°C)		2.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)		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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