

Melinex®

polyester film

MXTD205 Issue 4
Melinex® 506

Melinex® 506 is a sparkling optically clear knurled film with an adhesion promoting pretreatment on both surfaces. It is normally used in the graphics industry where its excellent clarity and printing/coating adhesion are utilised.

Melinex® 506 is available in thicknesses of 75, 100, 125, 175 and 250 micron.

TYPICAL VALUES OF PROPERTIES

Property	m ² /kg Test Method	Unit	Value					
General								
Area Yield	--	--	9.5	7.1	5.7	4.0	2.9	
Relative Density	ASTM D 1505-79 (modified to Melinex test method)	--			1.4			
Mechanical					MD*			TD**
Tensile strength at break	ASTM D 882-83				17.5			17.5
F5 (force to elongate 5% of gauge length)	ASTM D 882				10			10
Optical								
Haze	ASTM D1003-77 (Measured on Gardner Hazemeter)		0.4	0.5	0.5			0.5
Thermal								
Upper Melt temperature	ASTM E794-85				255 - 260			
Coefficient of thermal expansion		(cm/cm deg C)			19 x 10 ⁻⁶ (MD)			19 x 10 ⁻⁶ (TD)
Shrinkage		%			MD			TD
					1			0.3

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This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont Teijin Films makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.



Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement", H-50102-DTF.

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