



Melinex<sup>®</sup>  
polyester film

Melinex<sup>®</sup> 401

**Product Description:** Melinex<sup>®</sup> 401 is a sparkling clear film with good handling qualities. The film, specially treated to give a slippery surface on one side, is suitable for applications where very high transparency is important. Melinex<sup>®</sup> 401 is supplied in knurled reel form and is currently available at 50, 75 and 100 micron.

**Food contact advice:** Melinex<sup>®</sup> 401 has not been assessed against Food Contact Legislation.

**Disposal advice:** Disposal of Mylar<sup>®</sup>/Melinex<sup>®</sup> does not present special disposal problems. Where waste occurs in a clean, uncontaminated form it can be recycled. In most circumstances, once Mylar<sup>®</sup>/Melinex<sup>®</sup> has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar<sup>®</sup>/Melinex<sup>®</sup> can also be burned in an incinerator with normal refuse or can be buried as a relatively inert material in a landfill. The disposal method should comply with appropriate local and country regulations.

TYPICAL VALUES OF PROPERTIES

Property	Test Method	Unit	Value		
<b>General</b>					
Thickness	DTF Method	Micron	50	75	100
Area Yield	DTF Method	m <sup>2</sup> /kg	14.4	9.6	7.2
Relative Density (23°C)	Based on ASTM D1505-79		1.4		
<b>Mechanical</b>					
Tensile strength at break	Based on ASTM D882-83	kgf/mm <sup>2</sup>	18.5		24
Elongation at break	Based on ASTM D882-83	%	150		100
Slip (coefficient of static friction)	Based on ASTM D1894-78	treated to untreated		0.6	
F5	Based on ASTM D882-83	kgf/mm <sup>2</sup>	105		105
<b>Optical</b>					
Haze	Based on ASTM D1003-77	%	<0.6	<1	<1
<b>Thermal</b>					
Upper melt temperature	Based on ASTM E794-85	°C	255 - 260		
Coefficient of thermal expansion	Based on ASTM E381-06 Between 20 - 50 C	ppm/K	19 x 10 <sup>-6</sup>		
Shrinkage (at 150°C, 30 mins)	Based on ASTM D1204-78	%	1		0.7

1 micron = 0.001 mm approx. 4 gauge, \*MD = Machine Direction, \*\*TD = Transverse Direction

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\*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-50102-3-DTF and H-50103-3-DTF.

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