



Melinex[®]
polyester film

Melinex[®] 401

Product Description: Melinex[®] 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[®] 401 is supplied in knurled reel form and is currently available at 50, 75 and 100 micron.

Food contact advice: Melinex[®] 401 has not been assessed against Food Contact Legislation.

Disposal advice: Disposal of Mylar[®]/Melinex[®] does not present special disposal problems. Where waste occurs in a clean, uncontaminated form it can be recycled. In most circumstances, once Mylar[®]/Melinex[®] has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar[®]/Melinex[®] 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		
General					
Thickness	DTF Method	Micron	50	75	100
Area Yield	DTF Method	m ² /kg	14.4	9.6	7.2
Relative Density (23°C)	Based on ASTM D1505-79		1.4		
Mechanical					
Tensile strength at break	Based on ASTM D882-83	kgf/mm ²	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 ²	105		105
Optical					
Haze	Based on ASTM D1003-77	%	<0.6	<1	<1
Thermal					
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 ⁻⁶		
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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