



Melinex[®]

polyester film

Melinex[®] 506 - 75 & 100mic

Product Description:

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.

Food Contact Advice:

Melinex[®] 506 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	75	100
Area Yield	DTF Method	m²/kg	9.6	7.2
Relative Density (at 23°C)	Based on ASTM D1505-79	--	1.4	
Mechanical				
Tensile strength at break	Based on ASTM D882-83	kgf/mm²	MD*	TD**
Elongation	Based on ASTM D882-83	%	18.5	24
F5 (force to eleongate 5% of gauge length)	Based on ASTM D882-83	kgf/mm²	150	100
			105	105
Optical				
Haze	Based on ASTM D1003-77	%	<1	<1
Thermal				
Upper Melt temperature	Based on ASTM E794-85	°C	MD*	TD**
			255-260	
Coefficient of thermal expansion	Based on ASTM E381-06. Between 20 - 50 C	ppm/K	19 x 10 ⁻⁶	
Shrinkage	Based on ASTM D1204-78	%	1.1	0.3

1µm = 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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