



Melinex[®]

polyester film

Melinex[®] 411

Product Description

Melinex[®] 411 is a high gloss and high clarity film with excellent handling properties. It has been treated on one side to combine ease of conversion and excellent reel formation with low haze and uniform surface planarity. Melinex[®] 411 is supplied in knurled reel form and is currently available in 75 micron in widths up to 1800 mm.

Typical Applications

Melinex[®] 411 is ideally suited for metallisation, lamination with adhesives and hard coatings and can be used in UV curing processes. Melinex[®] 411 is of particular interest when used as a carrier and release film where the defect-free, smooth and uniform surface is transferred to the finished cast, moulded, laminated or hard-coated end product. Such products are employed in high quality end application areas such as furniture, flooring, wall panels, facades, claddings, decorative panels and fascias, automotive, consumer and white goods where a perfect surface aspect is required. Melinex[®] 411 features a combination of a uniform surface profile with a high gloss surface to achieve an outstanding mirror-like effect after metallisation.

General Information

Melinex[®] 411 can withstand a broad range of temperatures and has good resistance to moisture and most chemicals.

Food Contact Advice

Melinex[®] 411 has not been assessed against food contact legislation.

Typical Properties

Property	Test method	Unit	Typical Value	
General				
Thickness		Micron	75	
Thermal				
			MD	TD
Shrinkage	150°C for 30 min.	%	1.0	0.7
Mechanical				
			MD	TD
Tensile strength at break	ASTM D 882	MPa	188	230
Elongation at break	ASTM D 882	%	155	110
Optical				
Haze	ASTM D 1003	%	1	
Gloss (20°)	ASTM D 523		218	

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.

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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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