

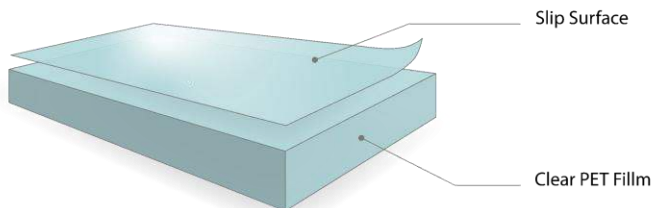
Product Description:

Melinex® 401 is a sparkling, optically clear polyester film, with good handling properties.

It is specially treated to give a slippery surface on one side and suitable for general applications where high transparency is important.

Key Features:

- Excellent clarity
- Good handling characteristics
- High dimensional stability and excellent flatness
- Good slippery properties on 1 side



Storage

Recommended storage conditions: 10°C – 25°C; 20% - 50% RH
Shelf Life: 12 months from delivery date (under recommended storage conditions)

TYPICAL VALUES		MD = Machine Direction, TD = Transverse Direction					
Property	Test method	Unit	Direction	Typical values			
Film thickness	-	micron		50	75	100	125
Film yield	-	m ² /Kg		14.3	9.53	7.15	5.72
Unit weight	-	g/m ²		70	105	140	175
Density	ASTM D1505	g/cc		1.39			
Haze	ASTM D1003	%		1.0	1.5	1.5	2.0
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		89.0	88.3	87.8	87.0
Tensile strength at break (minimum)	ASTM D882-83	Kgf/mm ²	MD	20			
			TD	26			
Elongation at break	ASTM D882-80	%	MD	125			
			TD	80			
Coefficient of static friction (slip)	ASTM D1894-78	-		0.5 (slip side to slip side), >1.0 slip side to plain side)			
Dielectric strength	IEC 243	Kv/mm		160			
Surface resistivity	IEC 193	Ohms/sq		>1013			
Volume resistivity	IEC 93	Ohm m		1015			
Upper melt temperature	ASTM E794-85	°C		255 to 260			
Coefficient of thermal expansion (between 20 and 50°C)	-	cm/cm/°C	MD	19 x 10 ⁻⁶			
			TD	16 x 10 ⁻⁶			

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