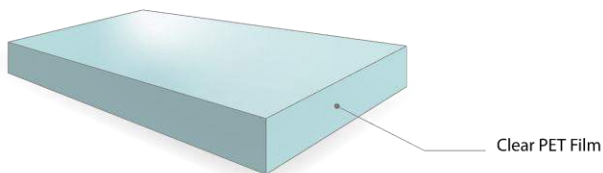


Product Description:

Melinex® O is a sparkling, optically clear polyester film, suitable or use where very high transparency is more important than the best handling properties.

Key Features:

- Exceptional clarity
- Good dimensional stability and flatness



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		175	250
Film yield	-	m ² /Kg		4.08	2.80
Unit weight	-	g/m ²		245	357
Density	ASTM D1505	g/cc		1.4	
Haze	ASTM D1003	%		0.7	1.5
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		89.2	88.7
Tensile strength at break (minimum)	ASTM D882-83	Kgf/mm ²	MD	17.5	
			TD	17.5	
Elongation at break	ASTM D882-83	%	MD	125	
			TD	80	
Dielectric strength	ASTM D149-81 (7mm electrodes in dry air at 25°C)	Kv/mm		105	
Surface resistivity	ASTM D257-83 (500vDC @ 25°C/54%RH)	Ohms/sq		>1013	
Volume resistivity	ASTM D257-83 (100vDC @ 25°C & 1000s)	Ohm m		1015	
Upper melt temperature	ASTM E794-85	°C		255 to 260	
Coefficient of thermal expansion (between 20 & 50°C)	-	cm/cm/°C	MD	19 x 10 ⁻⁶	
			TD	16 x 10 ⁻⁶	



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