

PRODUCT DESCRIPTION

Melinex® FS1 is a polyester film with superb clarity used for disposable medical face shields and visors. It has an antistatic coating providing a limited level of anti-fog performance on one side and an adhesion promoting pre-treatment on the other side. It is available in thicknesses of 125, 175 and 250µ.

KEY FEATURES

- Sparkling optically clear film
- Antistatic properties on 1 side
- Limited anti-fog performance
- Excellent resistance to moisture and most chemicals

STORAGE

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

STRUCTURE



TYPICAL VALUES

MD = MACHINE DIRECTION, TD = TRANSVERSE DIRECTION

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUES		
Target thickness	-	micron	125	175	250
Film yield	-	m²/kg	5.7	4.0	2.9
Density	ASTM D 1505-79		1.40		
Haze	ASTM D 1003-77	%	1.0	1.0	1.5
Total Luminous Transmission	ASTM D 1003-77	%	89	89	88
Tensile Strength at break	ASTM D 882-83	Kgf/mm²	MD	17.5	
			TD	17.5	
Elongation at break (Force to elongate 5% of gauge range)	ASTM D 882-83	Kgf/mm²	MD	10	
			TD	10	
Upper melt temperature	ASTM E 794-85	°C	255 to 260		
Shrinkage	150°C 5 mn	%	MD	1.2	
			TD	0.5	
Coefficient of thermal expansion (Between 20 and 50°C)	ASTM E831-06	ppm/K	19	19	19