

Product Description:

Mylar® 850 is a biaxially oriented, co-extruded polyester film with a layer of amorphous heat-sealable polyester film on one surface and plain polyester on the other.

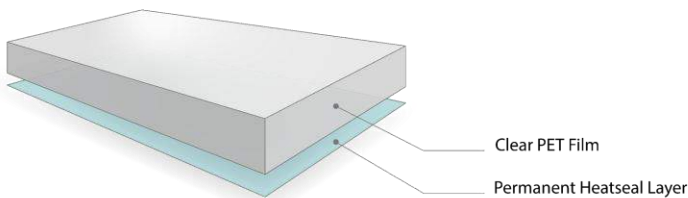
Mylar® 850 is normally used where strong, permanent seals are required with good 'seal through contamination' properties. It can be heat-sealed to itself, APET/CPET trays, APET coated board, PVdC, PVC, paper and aluminium foil.

Excellent 'hot-tack' sealing properties can be achieved in the sealing range of 140°C to 220°C.

Ideal for use as a lidding film for dual-ovenable ready meals, produce packs and bakery products, it can withstand temperatures from -70°C to 220°C.

Key Features:

- Widely used as a lidding film for food trays
- Dual-ovenable over a wide temperature range
- Seals to itself for use in ovenable bags and flow wrapping
- Strong, tamper-evident seals
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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		15	20	30
Film yield	-	m ² /Kg		48	36	24
Density	ASTM D1505	g/cc		1.39		
Oxygen permeability	Oxtran 23°C, 60/70% RH	cm ³ /m ² /day/atm		112	84	56
Water vapour transmission rate	Lyssy 38°C, 90% RH	g/m ² /day/atm		26	19	13
Haze	ASTM D1003-52	%		3.1	3.3	5.5
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		88		
Tensile strength at break (minimum)	ASTM D882-83	Kgf/mm ²	MD	17		
			TD	28		
Elongation at break	ASTM D882-83	%	MD	120		
			TD	80		
Coefficient of static friction (slip)	ASTM D1894-88	-		Plain to plain side 0.4, Seal to plain side 0.4 - 0.6		
Upper melt temperature	ASTM E794-85	°C		255 - 260		
Sealing temperature range	-	°C		140 - 220		
Heat-seal strength seal to seal	140°C / 40psi / 1 sec	g/25mm		800		
Heat-seal strength seal to plain	140°C / 40psi / 1 sec	g/25mm		400		
Heat-seal strength to APET/CPET tray	180°C / 40psi / 1 sec	g/25mm		1000		
Coefficient of thermal expansion (between 20 and 50°C)	-	cm/cm/°C	MD	19 x 10 ⁻⁶		
			TD	16 x 10 ⁻⁶		
Shrinkage	5 mins @ 190°C	%	MD	3		
			TD	3		

Mylar® 850 complies with European regulation EU10/2011 and its amendment 1282/2011 relating to materials and articles intended to come into contact with food



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HiFi Polyester Film UK

UK & Rest of World

Stevenage, United Kingdom
+44 (0) 1438 314 354
sales@hififilm.com



HiFi Polyester Film Netherland

Northern Europe

Zwaag Netherlands
+31 (0) 229 272 282
nlsales@hififilm.com



HiFi Polyester Film France

Southern Europe

BRUSSIEU, France
+33 (0) 437 226 098
lyonsales@hififilm.com



HiFi Polyester Film Ireland

Ireland

Ranelagh, Dublin
+353 (0) 87 257 3698
ray.faughnan@hififilm.com



www.hifipolyesterfilm.com

