

Product Description:

Mylar® 850AF 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.

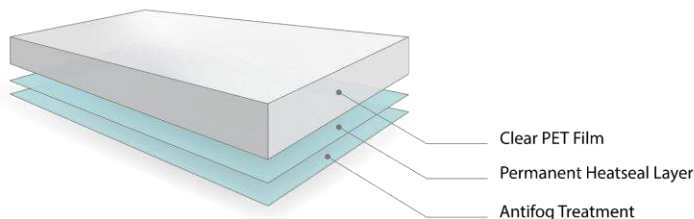
Mylar® 850AF is ideal for chilled applications where strong, permanent seals with good 'seal through contamination' properties are required.

Mylar® 850AF can be heat-sealed to itself, APET/CPET trays, APET coated board, PVdC, PVC, paper and aluminium foil, but not to polyolefins.

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

Key Features:

- Anti-fog properties are ideal for chilled applications
- Dual-ovenable over a wide temperature range
- Excellent barrier properties, make it suitable for aromatic products
- 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		30
Film yield	-	m ² /Kg		24
Density	ASTM D1505	g/cc		1.39
Oxygen permeability	Oxtran 23°C, 60/70% RH	cm ³ /m ² /day/atm		56
Water vapour transmission rate	Lyssy 38°C, 90% RH	g/m ² /day/atm		13
Haze	ASTM D1003-52	%		6
Total light transmittance (max)	ASTM D1003-77 (Gardner hazemeter)	%		88
Tensile strength at break (minimum)	ASTM D882-83	Kgf/mm ²	MD	17
			TD	23
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 / 80psi / 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® 850AF 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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