DuPont Teijin Films™

MYLAR® 850H

Product Description

Mylar® 850H (also called Mylar® 850) is a co-extruded, one side amorphous, heat sealable polyester film designed to be used in metallized, print, and lamination applications. This film is suitable for use in contact with food.

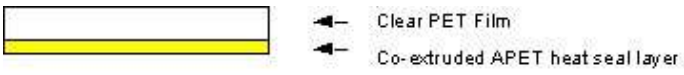


Fig. 1

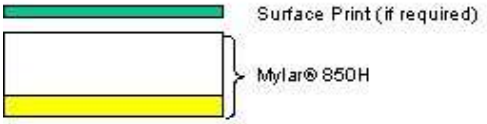
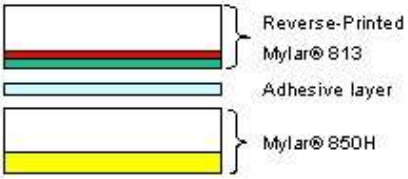


Fig. 2



Approvals

Food Contact Status - Please contact your DuPont Teijin Films representative to receive the Regulatory Compliance documents

Typical Properties

Available Thickness [Gauge]
48; 80; 120

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O2, 24 hr	48	6.0	cc/100 in²	ASTM D1434 77°F/75% RH/1 ATM
Gas Permeability - O2, 24 hr	80	3.7	cc/100 in²	ASTM D1434 77°F/75% RH/1 ATM
WVTR	48	2.8	g/100 in²/day	ASTM F1249 38°C, 90% RH
WVTR	80	1.8	g/100 in²/day	ASTM F1249 38°C, 90% RH
OPTICAL				
Haze	48	3.0	%	ASTM D1003
Haze	80	4.5	%	ASTM D1003
Haze	120	5.5	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B	48 - 120	0.4		ASTM D1894
Density	48 - 120	1.40	g/cc	
Elongation at Break MD	48 - 120	110	%	ASTM D882A
Elongation at Break TD	48 - 120	100	%	ASTM D882A
Tensile Strength MD	48 - 120	22	kpsi	ASTM D882A
Tensile Strength TD	48 - 120	27	kpsi	ASTM D882A
Yield (nominal)	48	42,200	in²/lb	
Yield (nominal)	80	24,800	in²/lb	
Yield (nominal)	120	16,500	in²/lb	
THERMAL				
Heat Seal Strength	48	600	gm/25mm	285°F, 1 sec, 40 psi
Heat Seal Strength	80 - 120	1000	gm/25mm	285°F, 1 sec, 40 psi
Heat Seal Temp. Range	48 - 120	220-400	°F	
Shrinkage MD (190°C)	48 - 120	3.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	48 - 120	1.0	%	Unrestrained @ 190°C/5 min

Contact Info

DuPont Teijin Films U.S. Limited Partnership
3600 Discovery Drive
Chester, VA 23836 USA
Tel: (800) 635-4639
Fax: (804) 530-9867

Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

CAUTION: Do not use in medical applications involving permanent implantation in the human body (DuPont Teijin Films Medical Policy). For other medical applications, see the Medical Caution Statement. DuPont Teijin Films accepts no liability for use of it's products in medical applications not reviewed and approved by DuPont Teijin Films or for product misuse. DuPont Teijin Films supplies products to an agreed specification and does not manufacture products designed specifically for medical end use.