



DuPont Teijin Films™

MYLAR® 854

Product Description

Mylar® 854 is a clear, one side coextruded heat sealable surface similar to Mylar® 850H. The opposite surface is adhesion pretreated to accept a wide range of both water and solvent ink systems. The pretreated surface also provides improved adhesion for various coatings, adhesives and extruded polyethylene.

Approvals

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

Typical Properties

Available Thickness [Gauge]
48; 60

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O ₂ , 24 hr	48	6.0	cc/100 in ²	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O ₂ , 24 hr	60	5.0	cc/100 sq in	ASTM D1434
WVTR	48	2.8	g/100 in ² /day	ASTM F1249 38°C, 90% RH
WVTR	60	2.3	g/100 in ² /day	ASTM F1249 38°C, 90% RH
OPTICAL				
Haze	48	3.0	%	ASTM D1003
Haze	60	3.5	%	ASTM D1003
Total Light Transmission (TLT)	48	88.7	%	ASTM D1003
Total Light Transmission (TLT)	60	88.6	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B	48 - 60	0.5		ASTM D1894 (untreated to treated)
C.O.F. (static)	48 - 60	0.6		ASTM D1894
Density	60	1.40	g/cc	
Elongation at Break MD	48 - 60	110	%	ASTM D882A
Elongation at Break TD	48 - 60	90	%	ASTM D822A
Tensile Strength MD	48 - 60	27	kpsi	ASTM D822A
Tensile Strength TD	48 - 60	29	kpsi	ASTM D822A
Yield (nominal)	48	42,200	in ² /lb	
Yield (nominal)	60	33,000	in ² /lb	
THERMAL				
Heat Seal Strength (HS/HS)	48 - 60	400	g/in	285°F, 40 PSI, 1 sec HS/HS
Heat Seal Temp. Range	48 - 60	220-400	°F	
Shrinkage MD (150°C)	48 - 60	1.25	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	48 - 60	0.30	%	Unrestrained @ 150°C/30 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 its 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.

Melinex®, Mylar® and Melinex® ST™ are registered trademarks of DuPont Teijin Films U.S. Limited Partnership. Teijin® and Teton® are registered trademarks of Teijin Limited used under license by DuPont Teijin Films U.S. Limited Partnership. Teonex® is a registered trademark of Teijin DuPont Films Japan Limited and is used under license by DuPont Teijin Films U.S. Limited Partnership.