



MYLAR® 800

Product Description

Mylar® 800 is a clear, non-pretreated base film with high gloss, low haze and excellent processability.

General Product Info

Polyester film is more thermally stable at higher temperatures and has a higher tensile strength than materials such as polypropylene and polyethylene. Mylar® 800 polyester film is stiffer than polypropylene and also maintains an excellent film thickness profile and roll formation to ensure consistent processability. These characteristics will enable Mylar® film to process at higher speeds, temperatures and tensions, thus increasing line efficiency and productivity.



Typical Applications

Mylar® 800 film features good clarity and handling characteristics in metallizing operations. When aluminum metallized, the film exhibits excellent aesthetic quality as well as the best barrier to oxygen and moisture in a flexible film.

Fig. 1

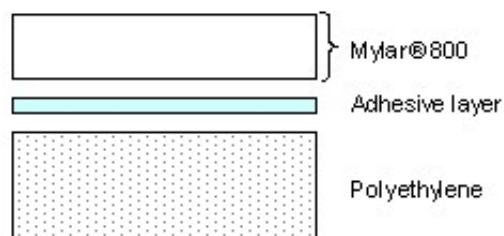
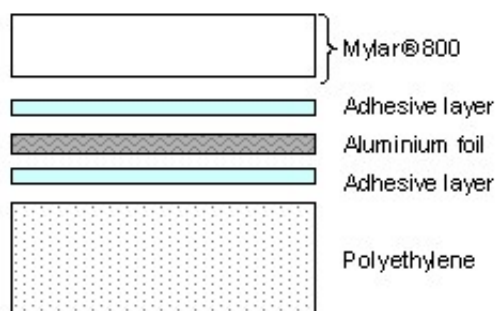


Fig. 2



Approvals

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

UL Recognition - Product has been registered with Underwriters Laboratories

Typical Properties

Available Thickness [Gauge]
48; 92

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - Carbon Dioxide	48	31.0	cc/100 in ²	ASTM D1434 77°F/75% RH/1 ATM
Gas Permeability - Nitrogen	48	1.6	cc/100 in ²	ASTM D1434 77°F/75% RH/1 ATM
Gas Permeability - O ₂ , 24 hr	48	6.0	cc/100 in ²	ASTM D1434 77°F/75% RH/1 ATM (unmetallized)
Gas Permeability - O ₂ , 24 hr	48	0.08	cc/100 in ²	ASTM D1434 77°F/75% RH/1 ATM (metallized)
WVTR	48	2.8	g/100 in ² /day	ASTM F1249 38°C, 90% RH (unmetallized)
WVTR	48	0.05	g/100 in ² /day	ASTM F1249 38°C, 90% RH (metallized)
OPTICAL				
Haze	48	3.6	%	ASTM D1003
Total Light Transmission (TLT)	48	88.5	%	ASTM D1003
PHYSICAL				
C.O.F. (static) A-B	48	0.5		ASTM D1895
Density	48	1.4	g/cc	
Elongation at Break MD	48	110	%	ASTM D822A
Elongation at Break TD	48	70	%	ASTM D822A
Tensile Strength MD	48	32,200	psi	ASTM D882A
Tensile Strength TD	48	39,000	psi	ASTM D822A
Yield (nominal)	48	42,200	in ² /lb	
THERMAL				
Shrinkage MD (150°C)	48	1.25	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	48	1.25	%	Unrestrained @ 150°C/30 min

Contact Info

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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.

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