



## MYLAR® M813

### Product Description

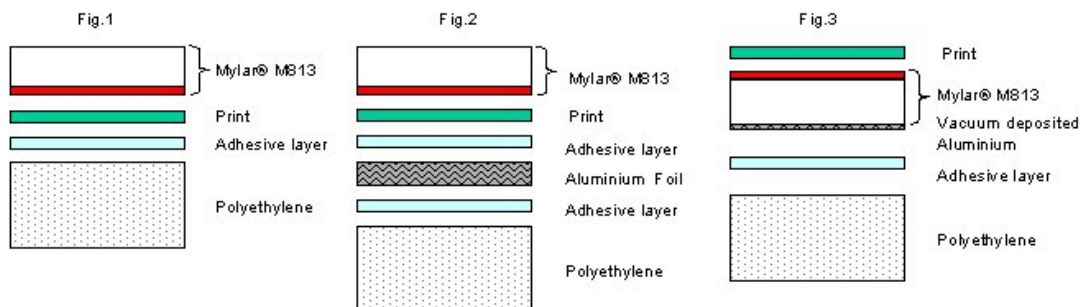
Mylar® M813 is a clear, pretreated base film with high gloss, low haze, and excellent processability. It is a one side pre-treated polyester designed for improved ink adhesion and may be suitable for use in medical applications.

### General Product Info

Mylar® M813 film provides good clarity for reverse printing and allows inks to shine through with high quality. The film's pretreated surface also provides improved adhesion for various coatings and adhesives, often eliminating the need for any type of priming operation. The chemical pretreatment on Mylar® M813 film does not result in a performance or shelf life decline over time, and generally is superior to corona treated film.



Mylar® M813 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 packaging film.



Polyester is more thermally stable at higher temperatures and has higher tensile strength than materials such as polypropylene or polyethylene. Mylar® polyester film also maintains an excellent film thickness profile and roll formation to ensure consistent processability in your operations. These characteristics are particularly important in complex, multi-stage printing operations where holding print register is critical to print quality. As print complexity, quality and speeds increase, Mylar® film provides a cost-effective solution for the packaging industry.

### Approvals

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

**Drug Master File** - This product is listed in our Drug Master File.

### Typical Properties

**Available Thickness [Gauge]**

48

Property	Thickness	Value	Units	Test
<b>BARRIER</b>				
Gas Permeability - Carbon Dioxide	48	31.0	cc/100 in <sup>2</sup>	ASTM D1434 (24 hrs @ 77°F and 75% RH @ 1 ATM)
Gas Permeability - Nitrogen	48	1.6	cc/100 in <sup>2</sup>	ASTM D1434 (24 hrs @ 77°F and 75% RH @ 1 ATM)
Gas Permeability - O <sub>2</sub> , 24 hr	48	6.0	cc/100 sq in	ASTM D1434 (unmetallized)
Gas Permeability - O <sub>2</sub> , 24 hr	48	0.08	cc/100 in <sup>2</sup>	ASTM D1434 77°F/75% RH/1 ATM (metallized)
WVTR	48	2.0	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH (unmetallized)
WVTR	48	0.05	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH (metallized)
<b>OPTICAL</b>				
Haze	48	3.6	%	ASTM D1003
Total Light Transmission (TLT)	48	88.5	%	ASTM D1003
<b>PHYSICAL</b>				
C.O.F. (dynamic) A-B	48	0.4		ASTM D1894
C.O.F. (static)	48	0.5		ASTM D1894
Density	48	1.40	g/cc	
Elongation at Break MD	48	110	%	ASTM D882A
Elongation at Break TD	48	70	%	ASTM D882A
Tensile Strength MD	48	31	kpsi	ASTM D882A
Tensile Strength TD	48	42	kpsi	ASTM D882A
Yield (nominal)	48	42,200	in <sup>2</sup> /lb	
<b>THERMAL</b>				
Shrinkage MD (190°C)	48	3.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	48	3.5	%	Unrestrained @ 190°C/5 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.

**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.

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