DuPont Teijin Films™

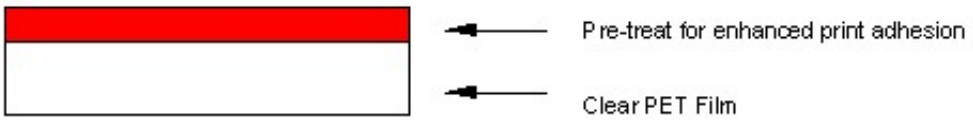
MYLAR® 813

Product Description

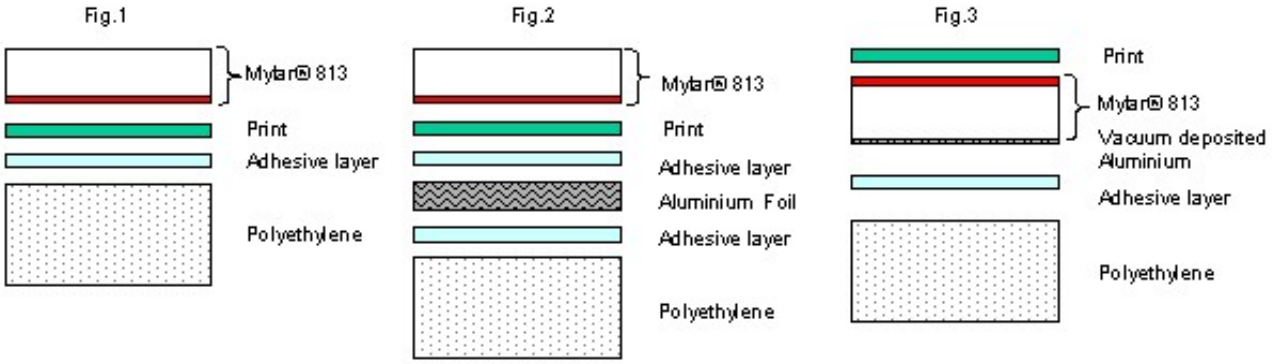
Mylar® 813 is a clear, pretreated base film with high gloss, low haze, and excellent processability. It is a one side pre-treated polyester designed for improved ink adhesion.

General Product Info

Mylar® 813 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® 813 film does not result in a performance or shelf life decline over time, and generally is superior to corona treated film.



Mylar® 813 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

Typical Properties

Available Thickness [Gauge]
48; 92

Property	Thickness	Value	Units	Test
BARRIER				
				ASTM D1434 (24 hrs @ 77°F and

Gas Permeability - Carbon Dioxide	48	31.0	cc/100 in²	75% RH @ 1 ATM)
Gas Permeability - Nitrogen	48	1.6	cc/100 in²	ASTM D1434 (24 hrs @ 77°F and 75% RH @ 1 ATM)
Gas Permeability - O2, 24 hr	48	6.0	cc/100 sq in	ASTM D1434 (unmetallized)
Gas Permeability - O2, 24 hr	48	0.08	cc/100 in²	ASTM D1434 77°F/75% RH/1 ATM (metallized)
WVTR	48	2.0	g/100 in²/day	ASTM F1249 38°C, 90% RH (unmetallized)
WVTR	48	0.05	g/100 in²/day	ASTM F1249 38°C, 90% RH (metallized)
WVTR	92	2.07	g/100 in²/day	ASTM F1249 38°C, 90% RH (unmetallized)
OPTICAL				
Haze	48	3.6	%	ASTM D1003
Haze	92	6	%	ASTM D1003
Total Light Transmission (TLT)	48	88.5	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B	48-92	0.4		ASTM D1894
C.O.F. (static)	48-92	0.5		ASTM D1894
Density	48-92	1.40	g/cc	
Elongation at Break MD	48-92	110	%	ASTM D882A
Elongation at Break TD	48-92	70	%	ASTM D882A
Tensile Strength MD	48-92	31	kpsi	ASTM D882A
Tensile Strength TD	48	42	kpsi	ASTM D882A
Tensile Strength TD	92	35	kpsi	ASTM D882A
Yield (nominal)	48	42,200	in²/lb	
Yield (nominal)	92	21,500	in²/lb	
THERMAL				
Shrinkage MD (190°C)	48-92	3.5	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	48-92	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.

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