



DuPont Teijin Films™

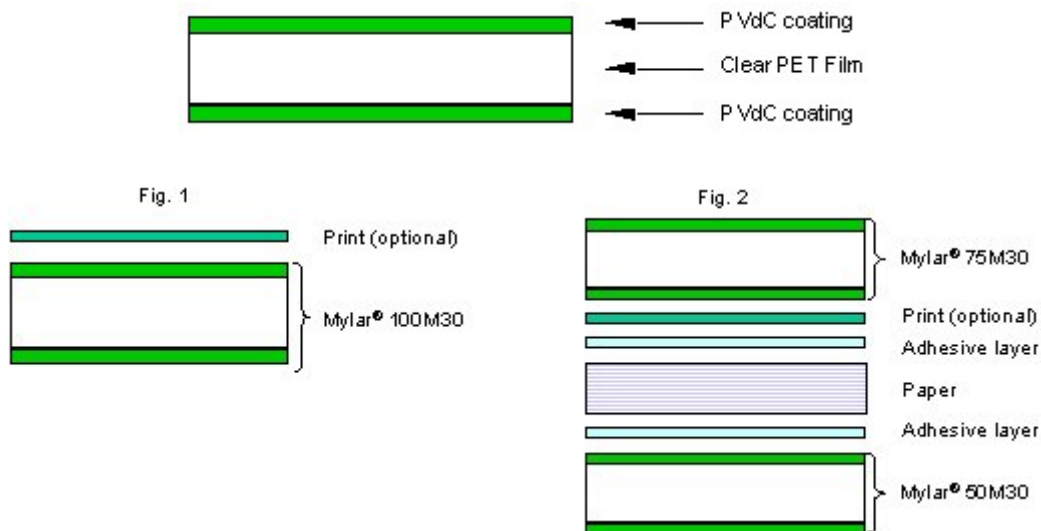
MYLAR® M30

Product Description

Mylar® M30 is a transparent, polyester packaging film, solvent coated on both sides with a PVdC copolymer. The coating is heat sealable and is an excellent moisture and oxygen barrier.

General Product Info

Mylar® M30 can be surface or reverse printed with appropriately formulated inks, and can be combined with other webs by adhesive or extrusion laminating. When printing and adhesive laminating on the coated surface, active solvents such as acetates, ketones and toluene should be removed as completely as possible during drying to avoid adverse effects on coating adhesion. Slow evaporating solvents such as glycol ethers should be completely avoided.



High temperature heat sealing of polymer-coated Mylar® M30 may release small amounts of irritating fumes which should be removed by using area ventilation.

Typical Applications

Mylar® M30 is used both in unsupported form, or as a component of a lamination, and can be run on both form/fill/seal and overwrap equipment. Mylar® M30 is particularly well suited for the packaging of long shelf life or moisture -and oxygen- sensitive products such as processed meats, salty snacks, cakes, candy, nuts, pharmaceuticals and other non-food items.

Approvals

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

Disposal

Dispose of in compliance with federal, state and local regulations. Preferred options for disposal are (1) recycling, (2) incineration with energy recovery and (3) landfill. The high fuel value of this product makes option No. 2 very desirable for material that cannot be recycled, but incinerator must be capable of scrubbing out acidic off gases.

Typical Properties

Available Thickness [Gauge]
50; 75; 100

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O ₂ , 24 hr	50 - 100	0.7	cc/100 in ²	ASTM D3985 22°C/50% RH/1 ATM
WVTR	50 - 100	0.7	g/100 in ² /day	ASTM F1249 38°C, 90% RH
OPTICAL				
Gloss 20 Degrees	100	180	%	ASTM D2457
Gloss 20 Degrees	50	140	%	ASTM D2457
Gloss 20 Degrees	75	140	%	ASTM D2457
Haze	100	2.5	%	ASTM D1003
Haze	50	7	%	ASTM D1003
Haze	75	8	%	ASTM D1003
PHYSICAL				
Elongation at Break MD	100	130	%	ASTM D882A
Elongation at Break MD	50	110	%	ASTM D882A
Elongation at Break MD	75	130	%	ASTM D882A
Elongation at Break TD	100	75	%	ASTM D882A
Elongation at Break TD	50	70	%	ASTM D882A
Elongation at Break TD	75	70	%	ASTM D882A
Modulus (Stiffness) MD	50 - 100	500	kpsi	ASTM D822
Tear (Graves)	100	1.1	lb	ASTM D1004
Tear (Graves)	50	0.7	lb	ASTM D1004
Tear (Graves)	75	0.9	lb	ASTM D1004
Tensile Strength MD (break)	100	26	kpsi	ASTM D882A
Tensile Strength MD (break)	50	27	kpsi	ASTM D882A
Tensile Strength MD (break)	75	25	kpsi	ASTM D882A
Tensile Strength TD (break)	100	36	kpsi	ASTM D882A
Tensile Strength TD (break)	50	33	kpsi	ASTM D882A
Tensile Strength TD (break)	75	33	kpsi	ASTM D882A
Unit Weight	100	21.8	lb/ream	ASTM E252 (0.5 m ²)
Unit Weight	50	12.3	lb/ream	ASTM E252 (0.5 m ²)
Unit Weight	75	18.1	lb/ream	ASTM E252 (0.5 m ²)
Yield (nominal)	100	19,800	in ² /lb	
Yield (nominal)	50	35,100	in ² /lb	
Yield (nominal)	75	23,800	in ² /lb	
THERMAL				
Heat Seal Strength (Coat/Coat)	50 - 100	200	g/in	250°F, 0.5 sec, 20 psi

Standard Put-ups

Core I.D. (Inches)	Roll O.D. (Inches)	Thickness (Gauge)	Length (Feet)
3	9 1/2 ± 1/4	50	9,100
3	9 1/2 ± 1/4	75	6,200
3	9 1/2 ± 1/4	100	5,100
3	13 ± 1/4	50	18,400
3	13 ± 1/4	75	12,400
3	13 ± 1/4	100	10,300
3	18 ± 1/4	50	36,700
3	18 ± 1/4	75	24,700
3	18 ± 1/4	100	20,500
6	11 ± 1/4	50	9,200
6	11 ± 1/4	75	6,200
6	11 ± 1/4	100	5,100
6	14 ± 1/4	50	18,000
6	14 ± 1/4	75	12,100
6	14 ± 1/4	100	10,100
6	18 ± 1/4	50	33,100
6	18 ± 1/4	75	22,300
6	18 ± 1/4	100	18,500
6	22 1/2 ± 1/4	50	54,600
6	22 1/2 ± 1/4	75	36,800
6	22 1/2 ± 1/4	100	30,400
6	24 ± 1/4	50	62,800
6	24 ± 1/4	75	42,300
6	24 ± 1/4	100	35,000

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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