



DuPont Teijin Films™

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MYLAR® M34

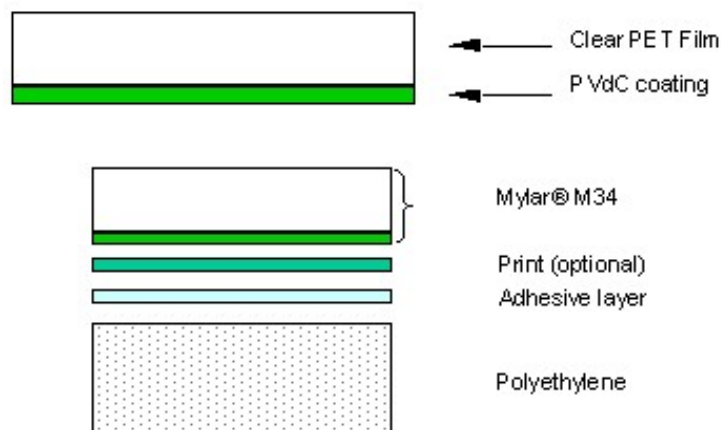
Product Description

Mylar® M34 is a transparent, polyester packaging film, solvent coated on one side with a PVdC copolymer. The coating is heat sealable and is an excellent moisture and oxygen barrier.

M34 is available in 50, 75 and 100 gauge with the coated side normally wound toward the core.

General Product Info

Mylar® M34 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 avoided completely.



High temperature heat sealing of polymer-coated Mylar® M34 may release small amounts of irritating fumes which should be removed by using area ventilation.

Typical Applications

Mylar® M34 was designed to be reverse printed on the coated side, then combined with a sealant layer such as polyethylene or Surlyn® resin - locking in the PVdC coating. Such a structure is quite durable, and its sparkling clarity and excellent barrier properties, plus its resistance to heat and humidity, make this an ideal combination for gas and vacuum packaging of processed meats and cheese.

Approvals

FDA Food Contact Status - This Product has been assessed with respect to Food Contact Legislation. 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 - 75	0.6	cc/100 in ²	ASTM D3985 22°C/50% RH/1 ATM
WVTR	50 - 75	0.6	g/100 in ² /day	ASTM F1249 38°C, 90% RH
OPTICAL				
Gloss 20 Degrees	50 - 75	140		ASTM D2457
Haze	50	7	%	ASTM D1003
Haze	75	8	%	ASTM D1003
PHYSICAL				
Elongation at Break MD	50	110	%	ASTM D882A
Elongation at Break MD	75	130	%	ASTM D882A
Elongation at Break TD	50	70	%	ASTM D882A
Elongation at Break TD	75	70	%	ASTM D882A
Modulus	50 - 75	500	kpsi	ASTM D822
Tear (Graves)	50	0.7	lb	ASTM D1004
Tear (Graves)	75	0.9	lb	ASTM D1004
Tensile Strength MD (break)	50	27	kpsi	ASTM D882A
Tensile Strength MD (break)	75	25	kpsi	ASTM D882A
Tensile Strength TD (break)	50	33	kpsi	ASTM D882A
Tensile Strength TD (break)	75	33	kpsi	ASTM D882A
Unit Weight	50	11.7	lb/ream	ASTM E252 (0.5 m ²)
Unit Weight	75	17.5	lb/ream	ASTM E252 (0.5 m ²)
Yield (nominal)	50	36,900	in ² /lb	
Yield (nominal)	75	24,700	in ² /lb	
THERMAL				
Heat Seal Strength (Coat/Coat)	50 - 75	150	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	9,500
3	9 1/2 ± 1/5	75	6,300
3	13 ± 1/4	50	19,200
3	13 ± 1/4	75	12,800
3	18 ± 1/4	50	38,300
3	18 ± 1/4	75	25,400
6	11 ± 1/4	50	9,600
6	11 ± 1/4	75	6,400
6	14 ± 1/4	50	18,800
6	14 ± 1/4	75	12,500
6	18 ± 1/4	50	34,600
6	18 ± 1/4	75	22,900
6	22 1/2 ± 1/4	50	57,000
6	22 1/2 ± 1/4	75	37,800
6	24 ± 1/4	50	65,600
6	24 ± 1/4	75	43,500

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,

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