DuPont Teijin Films™

MYLAR® OLAF

Product Description

Mylar® OLAF is a biaxially oriented polyester (OPET) film with an amorphous polyester heat seal layer. It is used as a heat sealable lidding film in packaging refrigerated and frozen foods. Mylar® OLAF possesses anti-fogging capability to provide better clarity when stored and displayed in refrigerated conditions. Mylar® OLAF is commercially available in nominal 50, 100, and 150 gauges. Mylar® OLAF is dual ovenable film which provides good, generally peelable seals to polar substrates such as amorphous polyester (APET, also PETG),semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OLAF does not seal to polyethylene, polypropylene, or polystryrene. DuPont Teijin Films offers another family of lidding films (RL types) for sealing to these substrates.

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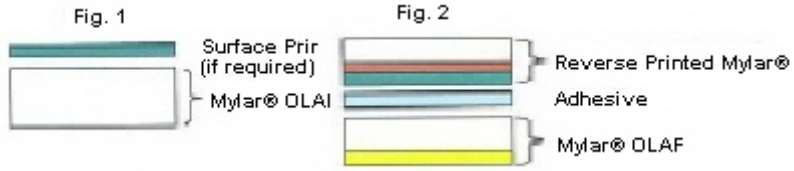
Similar to Mylar® OL, heat seals with Mylar® OLAF are designed to be self venting and generally strippable from the above containers. Mylar® OLAF has a thicker seal layer than Mylar® OL and is recommended when the sealant thickness of Mylar® OL is not sufficient to make intimate contact with mating surface of the container. Mylar® OLAF produces higher seal strengths to most substrates than does Mylar® OL, and lower gauges tend to shred (film tear or break) more than Mylar® OL when peeled in cold environments. Shredding (film tear or break) can be minimized by using higher gauges.



Mylar® OLAF can withstand freezing temperatures down to -40°F, and foods can be heated or cooked in contact with this film at temperatures up to 400°F. The oriented polyester base film will begin to distort in the range of 425-450°F.

Special Features

Corona Treatment (Mylar® OLAFT): Selected gauges of Mylar® OLAF are available with corona treatment (on the side opposite the heat seal layer) to enhance printing and laminating. This film type is marketed by DuPont Teijin Films as Mylar® OLAFT. The film is treated to an initial dyne level of 54. The dyne level of treated lidding films may decline with storage, and in-line corona treatment may be required during subsequent printing or laminating to increase the dyne level to a value adequate to get desired ink or laminate adhesion. Standard put-ups for Mylar® OLAF are the same as shown for Mylar® OLAF. Anti-fog: Mylar® OLAF lidding films come with anti-fogging capability to provide better clarity when stored and displayed in refrigerated conditions.

Approvals

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

Disposal

Disposal of Mylar® OLAF (as well as OLAFT) does not present special disposal problems. It can be buried as a relatively inert material in a landfill or burned in an incinerator with normal refuse. The incinerator should have sufficient draft to exhaust all combustion products through the stack to avoid exposure to irritating fumes. The disposal method should comply with local, state and federal regulations.

Typical Properties

Available Thickness [Gauge]
50; 100; 150

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O2, 24 hr	50	9	cc/100 in²	ASTM D3985 22ºc/75% RH/1 ATM
Gas Permeability - O2, 24 hr	100	5	cc/100 in²	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O2, 24 hr	150	3	cc/100 in²	ASTM D3985 22°C/75% RH/1 ATM
WVTR	50	2.8	g/100 in²/day	ASTM F1249 38ºC, 90% RH
WVTR	100	1.3	g/100 in²/day	ASTM F1249 38°C, 90% RH
WVTR	150	0.9	g/100 in²/day	ASTM F1249 38°C, 90% RH
PHYSICAL				
Elongation at Break MD	50 - 150	110	%	ASTM DS882A
Elongation at Break TD	50 - 150	80	%	ASTM D882A
Modulus	50 - 150	550	kpsi	ASTM D822
Tear (Graves)	50	0.7	lb	ASTM D1004
Tear (Graves)	100	1.1	lb	ASTM D1004
Tear (Graves)	150	1.3	lb	ASTM D1004
Tensile Strength MD (break)	50 - 150	25	kpsi	ASTM D882A
Tensile Strength TD (break)	50 - 150	35	kpsi	ASTM D882A
Unit Weight	50	12.5	lb/ream	ASTM E252 (0.5 m²)
Unit Weight	100	22.0	lb/ream	ASTM E252 (0.5 m²)
Unit Weight	150	33.0	lb/ream	ASTM E252 (0.5 m²)
Yield (nominal)	50	34,700	in²/lb	
Yield (nominal)	100	19,700	in²/lb	
Yield (nominal)	150	13,100	in²/lb	

Standard Put-ups

Core I.D. (Inches)	Roll O.D. (Inches)	Thickness (Gauge)	Length (Feet)
3	9 1/2 ± 1/4	50	8,600
3	9 1/2 ± 1/4	100	4,900
3	9 ½ ± 1/4	150	3,300
3	13 ± 1/4	50	17,400
3	9 1/2 ± 1/4	100	9,900
3	13 ± 1/4	150	6,600
6	11 ± 1/4	50	8,700
6	11 ± 1/4	100	5,000
6	11 ± 1/4	150	3,300
6	14 ± 1/4	50	17,000
6	14 ± 1/4	100	9,700
6	14 ± 1/4	150	6,500
6	18 ± 1/4	50	31,200
6	18 ± 1/4	100	17,900
6	18 ± 1/4	150	12,000

Contact Info

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Disclaimer

Films Medical Policy). For other medical applications, see the Medical Caution Statement. DuPont Teijin Films accepts no liability for use of it's 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.