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## MYLAR® OL13

### Product Description

Mylar® OL13 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® OL13 is commercially available in nominal 50, 100 and 150 gauges.

Mylar® OL13 provides very strong, aggressive seals to polar substrates such as amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OL13 does not seal to polyethylene, polypropylene, or polystyrene. DuPont Teijin Films offers another family of lidding films (RL types) for sealing to these substrates.

Mylar® OL13 is similar to OL12 but has a thicker seal layer than Mylar® OL12 to give enhanced seal strength. In general, Mylar® OL13 can produce non-peeling, near "lock-up" type seals and is recommended for hot fill applications where non-peeling seals are desired. Mylar® OL13 lidding films have excellent grease and oil resistance. Mylar® OL13 can withstand freezing temperatures down to -40°F.

### Special Features

Corona Treatment (Mylar® OL13T): Selected gauges of Mylar® OL13 are available with corona treatment (opposite side from the heat seal layer) to enhance printing and laminating. This film type is marketed by DuPont Teijin Films as Mylar® OL13T. 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® OL13T are the same as shown for Mylar® OL13.

Anti-fog (Mylar® OL13AF, OL13AT): Selected gauges of Mylar® OL13 lidding films are available with anti-fogging capability to provide better clarity when stored and displayed in refrigerated conditions. This film type is marketed by DuPont Teijin Films as OL13AF. Mylar® OL13AF is also available with corona treatment on the opposite side from the heat seal layer.

### Approvals

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

### Disposal

Disposal of Mylar® OL13 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

<b>Available Thickness [Gauge]</b>
50; 100; 150

Property	Thickness	Value	Units	Test
<b>BARRIER</b>				
Gas Permeability - O <sub>2</sub> , 24 hr	100	5	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	150	3	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	50	9	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
WVTR	100	1.3	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
WVTR	150	0.9	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH

WVTR	50	2.8	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
<b>PHYSICAL</b>				
Elongation at Break MD	50 - 150	110	%	ASTM D882A
Elongation at Break TD	50 - 150	80	%	ASTM D882A
Modulus	50 - 150	550	kpsi	ASTM D822
Tear (Graves)	100	1.1	lb	ASTM D1004
Tear (Graves)	150	1.3	lb	ASTM D1004
Tear (Graves)	50	0.7	lb	ASTM D1004
Tensile Strength MD (break)	50 - 100	25	kpsi	ASTM D882A
Tensile Strength TD (break)	50 - 100	35	kpsi	ASTM D882A
Unit Weight	100	26.0	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	150	37.0	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	50	16.5	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Yield (nominal)	100	16,600	in <sup>2</sup> /lb	
Yield (nominal)	150	11,700	in <sup>2</sup> /lb	
Yield (nominal)	50	26,400	in <sup>2</sup> /lb	

### 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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