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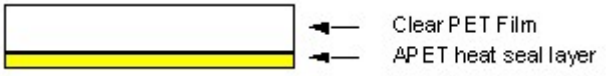
# MYLAR® OL

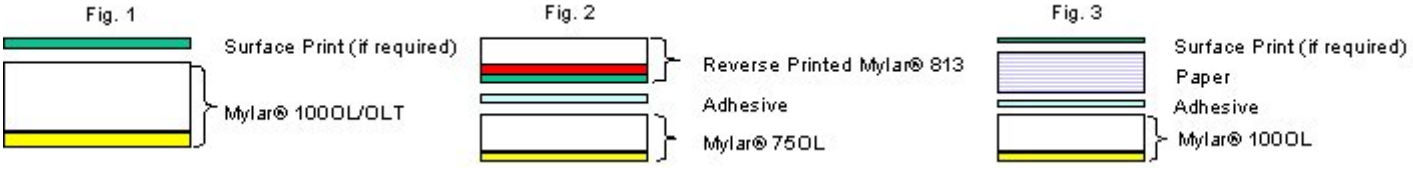
### Product Description

Mylar® OL 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® OL is commercially available in nominal 50, 75, 100 and 150 gauges.

Mylar® OL provides peelable seals to polar substrates such as amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OL does not seal to polyethylene, polypropylene, or polystryrene. DuPont Teijin Films offers another family of lidding films (RL types) for sealing to these substrates. Mylar® OL can withstand freezing temperatures down to -40°F.




Heat seals with Mylar® OL are designed to be self venting and generally strippable from the recommended containers. Fifty (50) gauge film is more prone to shredding. Shredding (film tear or break) can be minimized or eliminated by using higher gauges.




### Special Features

Corona Treatment (Mylar® OLT): Selected gauges of Mylar® OL 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® OLT. 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® OLT are the same as shown for Mylar® OL.

### Approvals

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

### Disposal

Disposal of Mylar® OL (and OLT) 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; 75; 100; 150 |

| Property | Thickness | Value | Units | Test |
|---|---|---|---|---|
| **BARRIER** | | | | |
| Gas Permeability - O2, 24 hr | 100 | 5 | cc/100 in² | ASTM D3985 22ºC/75% RH/1 ATM |

| | | | | |
|---|---|---|---|---|
| Gas Permeability - O2, 24 hr | 150 | 3 | cc/100 in² | ASTM D3985 22ºC/75% RH/1 ATM |
| Gas Permeability - O2, 24 hr | 50 | 9 | cc/100 in² | ASTM D3985 22ºC/75% RH/1 ATM |
| Gas Permeability - O2, 24 hr | 75 | 7 | cc/100 in² | ASTM D3985 22ºC/75% RH/1 ATM |
| 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 |
| WVTR | 50 | 2.8 | g/100 in²/day | ASTM F1249 38°C, 90% RH |
| WVTR | 75 | 1.9 | g/100 in²/day | ASTM F1249 38°C, 90% RH |
| | | | | |
| **PHYSICAL** | | | | |
| Elongation at Break MD | 50 - 150 | 110 | % | ASTM D882A |
| Elongation at Break TD | 50 - 150 | 80 | % | ASTM D882A |
| Tensile Strength MD (break) | 50 - 150 | 25 | kpsi | ASTM D882A |
| Tensile Strength TD (break) | 50 - 150 | 35 | kpsi | ASTM D882A |
| Unit Weight | 100 | 21 | lb/ream | ASTM E252 (0.5 m²) |
| Unit Weight | 150 | 32 | lb/ream | ASTM E252 (0.5 m²) |
| Unit Weight | 50 | 11.5 | lb/ream | ASTM E252 (0.5 m²) |
| Unit Weight | 75 | 17.3 | lb/ream | ASTM E252 (0.5 m²) |
| Yield (nominal) | 100 | 20,500 | in²/lb | |
| Yield (nominal) | 150 | 13,500 | in²/lb | |
| Yield (nominal) | 50 | 37,700 | in²/lb | |
| Yield (nominal) | 75 | 24,600 | in²/lb | |
| | | | | |
| **THERMAl** | | | | |
| Heat Seal Strength | | 470 | g/in | 250°F, 0.35 sec, 20 psi |

**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 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.



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