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MYLAR® OL3

Product Description

Mylar® OL3 is a biaxially orientated polyester film with a thick amorphous polyester heat seal layer designed specifically for giving leak proof/peelable seals to rigid APET coated card trays, and smooth walled aluminium foil trays. Mylar® OL3 provides a very strong peelable seal to a wide range of polar materials including itself, APET, CPET, polyester coated board, aluminium foil, but does not seal to polyolefines, such as polypropylene, polyethylene and polystyrene. DuPont Teijin Films offers another family of lidding films (Mylar® RL) for sealing to these substrates.

Fig. 1



General Product Info

Mylar® OL3 can be sealed at a wide range of temperatures between 140°C and 200°C. The film seals instantly, but full seal strength is reached only one hour after sealing. Whilst Mylar® OL3 typically gives a strong peelable seal performance when warm but can tear when cold peeled. Mylar® OL3 can withstand freezer temperatures down to -70°C. The sealable surface is normally wound on the inside of the reel.

Special Features

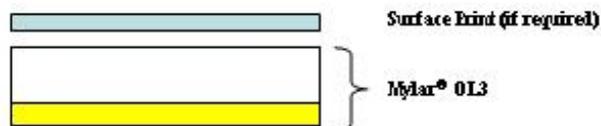
Printability: Mylar® OL3 is also available with a corona treatment on the non-seal side to give improved adhesion to typical packaging inks and for improved lamination. However, corona treatment does deteriorate with time and in-line treatment during printing and laminating is still required.

Anti-fog: Mylar® OL3 is not currently available with anti-fog on the sealable surface.

Typical Applications

Mylar® OL3 can be used as part of a laminate in lidding applications, for example ready meals, and other applications where a very strong, leak resistant but peelable seal is important.

Fig. 2



Approvals

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

Disposal

Disposal of Mylar® OL3 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form it can be recycled into polyester fibre. In most circumstances, once Mylar® OL3 has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar® OL3 can also be burned in an incinerator with normal refuse or can be buried as a relatively inert material in a landfill. The disposal method should comply with appropriate local and country regulations.

Typical Properties

Available Thickness [Gauge]
100

Property	Thickness	Value	Units	Test
BARRIER				
Oxygen Permeability	100	5	cc/100 in2/day/atm	Oxtran 73°F/70%RH
WVTR	100	1.3	g/100 in2/day	Lyssy 100°F/90% RH
PHYSICAL				
Area Yield	100	18,400	in2/lb	
Elongation at Break MD	100	120	%	ASTM D822
Elongation at Break TD	100	80	%	ASTM D822
Tensile Strength MD (break)	100	26	Kpsi	ASTM D882
Tensile Strength TD (break)	100	32	Kpsi	ASTM D882
Unit Weight	100	23.5	lbs/ream	
THERMAL				
Heat Seal Strength (Seal to APET/CPET tray)	100	1100	g/in	180 °C/80 psi/2 sec
Heat Seal Strength (Seal to Seal)	100	1000	g/in	140 °C/40 psi/1 sec
Shrinkage MD (190°C)	100	4	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	100	1	%	Unrestrained @ 190°C/5 min
Upper Melt Temperature	100	255-260	°C	ASTM E794-85

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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