



DuPont Teijin Films™

Polyester Films for Packaging

Application Profile

Ref : S/AP01/0200

Mylar® polyester film
Only by DuPont Teijin Films

Ready Meals – from the freezer to the oven with Mylar®



Application Description

Mylar® OL range for ovenable ready meal tray lidding.

Benefits

- Cook-in-the-pack convenience (conventional ovens or microwave)
- Easy-open, peelable seals
- Self-venting for steam release during re-heating

DuPont Teijin Films material selected and why

Mylar®OL meets the requirements for seal strength, peelability and freezer-to-oven convenience. Options exist for always-peelable seals, always-permanent seals and permanent-cold, peelable-hot seals (Mylar® OL12)

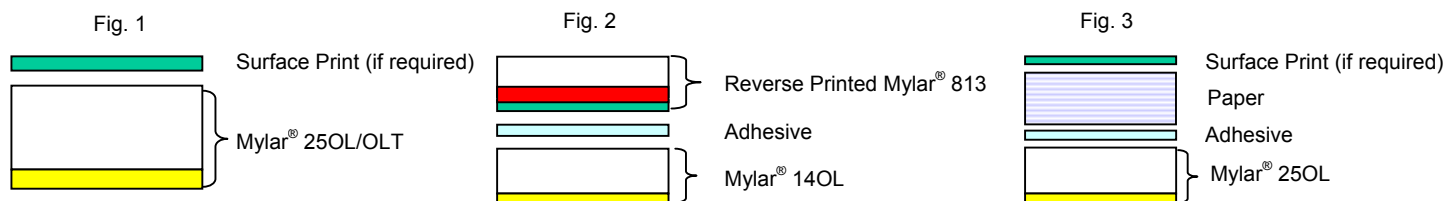
The goods represented above are only examples of possible applications. DuPont Teijin Films do not imply that any DuPont Teijin Films products have been used in the manufacture of such goods. All third party Trademarks and Brand names are recognised. Mylar® is a registered trademark of DuPont Teijin Films for its brand of polyester film. Only DuPont Teijin Films makes Mylar® brand films.

Technical Information – Mylar® OL

Product Description: Mylar® OL is a biaxially oriented polyester film with an amorphous polyester heat seal layer. Mylar® OL provides peelable seals to a wide range of polar materials including itself, APET, CPET, PETG, polyester coated board, polycarbonate and PVC, 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. Mylar® OL is designed to be self venting and dual ovenable (conventional and microwave) It is available in thicknesses of 13, 25 and 38 µm.



Typical Applications: Mylar® OL can be used as a single web (Fig. 1) or as part of a laminate in lidding applications (Figs 2. & 3.), for example ready meals or yellow fats and other applications where easy opening is important.



Practical Information: Mylar® OL can be sealed at a wide range of temperatures between 140°C-200°C. The film seals instantly, but full seal strength is reached one hour after sealing. Whilst Mylar® OL typically gives a peelable seal performance, thinner grades, if used as a single web, can give film tear on opening. Mylar® OL can withstand temperatures down to -70°C and food can be heated/cooked in this film at typical heating conditions of 220°C for 30 minutes. The sealable surface is normally wound on the inside of the reel.

Special Features Available

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

Anti-fog: The Mylar® OL film is not available with an anti-fog. However, Mylar® OLAF is available which is based on Mylar® OL2. This is specifically designed to minimise 'fog' during freezing, chilling and cooking operations, and also to aid clarity during packaging of 'breathable' products such as fresh vegetables.

DuPont Teijin Films Contacts			
United Kingdom	Continental Europe	United States	Asia Pacific
DuPont Teijin Films (UK) Ltd PO Box 2002 Middlesbrough England TS90 8JF Telephone +44 (0) 1642 572000 Fax +44 (0) 1642 572075	DuPont Teijin Films (Luxembourg) SA BP-1681 L-1016 Luxembourg Telephone +352 2616 4004 Fax +352 2616 5000	DuPont Teijin Films 1 Discovery Drive PO Box 411 Hopewell VA 23860 Telephone +1 (800) 635 4639 Fax +1 (804) 530 9867	Teijin DuPont Films Japan Limited Iino Bldg, 1-1, Uchisaiwai-Cho 2-Chome Chiyoda-Ku, Tokyo, 100-8585, Japan Tel: +81-(0)3-3506-4243 Fax: +81-(0)3-3506-4378
http://www.dupontteijinfilms.com			e-mail: packaging_films@gb.dupont.com

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experiments. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont Teijin Films makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Melinex®, Mylar®, and Cronar® are registered trademarks of DuPont Teijin Films U.S. Limited Partnership. Teijin® and Tetoron® are registered trademarks of Teijin Limited and are licensed to DuPont Teijin Films US, Limited Partnership. Teonex® is registered trademark of Teijin DuPont Films Japan Limited and licensed to DuPont Teijin Films U.S. Limited Partnership. The goods represented above are only examples of possible applications. DuPont Teijin Films does not imply that any DuPont Teijin Films products have been used in the manufacture of such goods. All third party trademarks and brand names are recognized. The goods represented above are only examples of possible applications. DuPont Teijin Films does not imply that any DuPont Teijin Films products have been used in the manufacture of such goods. All third party trademarks and brand names are recognized.

*Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Teijin Films Medical Caution Statement", H-50102-1-DTF.

©2005 DuPont Teijin Films. All rights reserved