Mylar® Specialty Films

Product Information Sheet

Mylar® OL2

Product Description

Mylar® OL2 is a biaxially oriented polyester (PET) film with an amorphous polyester heat seal layer on one side. It offers a firm peelable seal to a wide range of materials including itself, APET, CPET, PETG, polyester coated board, polycarbonate, PVC, and aluminium foil. Mylar® OL2 thinner grades may tear on peeling, especially if chilled. It is designed to be self-venting and dual-ovenable (both microwave and conventional oven).

Typical Applications

Mylar® OL2 can be used on its own as a single web or as part of a laminate in a wide range of lidding applications, providing reliable sealing and peeling performance. The film is often used for ready meal type applications where improved seal through contamination, a stronger seal or a firm peeling seal is required. For details of sealing conditions and guidance on use, contact your Mylar Specialty Films technical representative. Information on the practical use of films is covered in a range of Application Notes which are available from your Mylar Specialty Films marketing representative.

Added Benefits from Related Films
Printability – Mylar® OL2T gives improved adhesion to a range of widely used inks through corona treatment on the non heat-seal side. For details contact your Mylar Specialty Films sales, technical or marketing representatives.

General Information

Mylar® OL2 can withstand a broad range of temperatures and has good resistance to moisture and most chemicals. As per Article 3(3) of the REACH regulation (EC) No 1907/2006 Mylar® OL2 is classified as an article. There are no substances intended to be released from the above film under normal, reasonably foreseeable conditions of use, as defined by Article 7(1).

Food Contact Advice

Mylar® OL2 has been assessed with respect to Food Contact Legislation. Please contact your Mylar Specialty Films representative to receive the Regulatory Compliance documents, which give detailed information on individual country regulations, overall and specific migration limits and possible restrictions for specific applications).

Film Properties

Property	Unit	Typical Values				Test Method
General		**14OL2**	**19OL2**	**25OL2**	**40OL2**	
Thickness	micron	15	22	26	39	In-house Method
Area Yield	m^2/kg	49.3	33.6	28.0	18.7	In-house Method
Unit Weight	g/m^2	20.3	29.8	35.8	53.4	-
Oxygen Permeability	$cm^3/m^2/day/atm$	140	95	75	45	Oxtran 23ºC, 60/70% RH
WVTR	$g/m^2/day$	43	25	20	14	Lyssy 38ºC, 90% RH
Mechanical		**14OL2**	**19OL2**	**25OL2**	**40OL2**	
Tensile Strength at break	MPa	MD 180	TD 220			ASTM D882
Elongation at break	%	MD 120	TD 80			ASTM D882
Thermal		**14OL2**	**19OL2**	**25OL2**	**40OL2**	
Upper melt temperature	ºC	255-260				ASTM E794-85
Shrinkage	%	MD4	TD 1			190ºC for 5 mins
Seal to APET/CPET Tray	g/25mm	900				180ºC/80psi/1sec

Standard Put-Ups

Mylar® OL2 can be supplied at 1422mm master rolls on 152mm ID protruding cores, or as slit reels, up to 1375mm wide on 152mm ID flush or protruding cores. Master rolls are popular for Distributor customers, Chartable width is 1385mm.

Disposal Advice

Disposal of Mylar® OL2 does not present special disposal problems. Where waste occurs in a clean, uncontaminated form it can be recycled. In most circumstances, once Mylar® OL2 has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar® OL2 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.

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The information provided in this Product Information Sheet corresponds to our knowledge on the subject at the date of its publication This information may be subject to revision as new knowledge and experience becomes available The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes Since Mylar Specialty Films cannot anticipate all variations in actual end-use conditions Mylar Specialty 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 rights Caution: Medical device applications incorporating Mylar®, Melinex® or Kaladex® films must be reviewed and approved under Mylar Specialty Films Medical Device Policy. Mylar®, Melinex® and Kaladex® films are not intended for implantation in the human body. For other applications, please contact your Technical Service Representative for more details. Copyright © 2024

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