



MYLAR® H2OEX

Product Description

MYLAR® H2OEX IS A DEVELOPMENT PRODUCT AND THE DATA CONTAINED IN THIS SHEET IS PROVISIONAL.

Mylar® H2OEX is a biaxially oriented polyester (OPET) film with an amorphous polyester heat seal layer on one side. It is used as a heat sealable film in packaging refrigerated produce. The product has been especially developed to give improved water vapor transmission compared to standard heat sealable polyester film. Mylar® H2OEX is available in nominal 100 gauge.

Approvals

FDA Food Contact Status - Mylar® H2OEX film is prepared from resins consisting entirely of monomers that are authorized for use in polyethylene terephthalate (PET) food-contact applications or are permitted for direct addition to food under provisions of Title 21 of the Code of Federal Regulations (21 C.F.R.). DuPont Teijin Films is in the process of preparing a filing to the U.S. Food and Drug Administration (FDA) to request the Agency’s explicit confirmation that the finished resins in the Mylar® H2OEX film that are not otherwise the subject of current regulatory clearances may be considered exempt from regulation as "food additives" under the Federal Food, Drug, and Cosmetic Act. Substances that are not defined as "food additives" under the Federal Food, Drug, and Cosmetic Act may be used in food packaging applications without obtaining prior authorization or premarket clearance from FDA. This film may be used to contain all types of food (excluding alcoholic beverages) at room temperature (ambient filled and stored) and below.

EU Food Contact Status - Mylar® H2OEX is in the process of being assessed against European Union legislation. Please contact your DuPont Teijin 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.

Disposal

Disposal of Mylar® H2OEX 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]

100

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O ₂ , 24 hr (special)	100	10	cc/100in ² /day	Oxtran 23°C 60/70% RH Based on ASTM D3985
WVTR	100	7.6	g/100in ² /day	Lyssy L80-5000 Water Vapor Permeation Tester 38°C 90%RH Based on ASTM F1249
PHYSICAL				
Elongation at Break MD	100	118	%	Based on ASTM D882-83.
Elongation at Break TD	100	80	%	Based on ASTM D882-83.
Modulus	100	290	kpsi	Based on ASTM D882-83.
Tear (Graves)	100	1.97	LB	ASTM D1004
Tensile Strength MD (break)	100	19	kpsi	Based on ASTM D882-83
Tensile Strength TD (break)	100	20.5	kpsi	Based on ASTM D882-83
Yield (nominal)	100	22,397	in ² /lb	Density measurement ASTM D 1505-85
THERMAL				
Heat Seal Strength	100	660	g/in	DuPont Teijin Films method: 140°C, 40 psi, 1 sec
Shrinkage MD (190° C)	100	5.4	%	Based on ASTM D1204-78.
Shrinkage TD (190° C)	100	4.8	%	Based on ASTM D1204-78.

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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