



DuPont Teijin Films™

MYLAR® BK2

Product Description

MYLAR® BK2 is a biaxially oriented polyester (OPET) film with an amorphous polyester heat seal layer. It is used as a heat sealable lidding film in various packaging applications. MYLAR® BK2 is commercially available in nominal 100 gauge.

Typical Applications

Mylar® BK2 is specifically designed as a sealant capping web for rollstock thermoforming applications for Bakery Products. Typically a forming web such as Mylar® BKF is used to form a pocket where a bakery item would be deposited. Then Mylar® BK2 provides a strong heat seal to the top of the formed web while a vacuum is pulled. This vacuum package prevents freezer burn, flavor scalping, and oxidative rancidity of Bakery items. The Mylar® BK2 sealant capping web with the Mylar® BKF forming web provides a dual ovenable package. Baking in this format simulates a steam convection oven, providing a hotter more even bake with enhanced flavor profile. It reduces proofing time, cook time, cleanup, and eliminates the need for expensive pans. The package can easily withstand freezing temperatures down to -40°F and bakery items can be baked in direct contact with this film at temperatures up to 425°F. Baking from frozen raw vs. frozen pre-cooked gives right off the bakery line quality. The seals of Mylar® BK2 are designed to self-vent during the cook cycle, which allows for browning and crisping of the bakery products. In addition, the heat seal surface provides a non-stick feature for various bakery products. Typical heat seal conditions for Mylar® BK2 are 185°C with a 2-3 sec dwell.

Approvals

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

Disposal

Disposal of Mylar® BK2 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	100	5	cc/100 in ²	ASTM D3985 22°C/75% RH/1 ATM
WVTR	100	1.3	g/100 in ² /day	ASTM F1249 38°C, 90% RH
PHYSICAL				
Elongation at Break MD	100	110	%	ASTM D882A
Elongation at Break TD	100	80	%	ASTM D882A
Modulus	100	550	kpsi	ASTM D822
Tear (Graves)	100	1.1	lb	ASTM D1004
Tensile Strength MD (break)	100	25	kpsi	ASTM D882A
Tensile Strength TD (break)	100	35	kpsi	ASTM D882A
Yield (nominal)	100	19,800	in ² /lb	

Contact Info

DuPont Teijin Films U.S. Limited Partnership
3600 Discovery Drive
Chester, VA 23836 USA

Tel: (800) 635-4639
Fax: (804) 530-9867

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.

Melinex®, Mylar® and Melinex® ST™ are registered trademarks of DuPont Teijin Films U.S. Limited Partnership.