



DuPont Teijin Films™

MYLAR® BKFP

Product Description

Mylar® BKFP is a clear, formable, puncture resistant packaging film. It is designed for shallow to medium-draw thermoformed dual-ovenable package structures. The 475ga BKFP is specifically designed for Bakery applications

Typical Applications

Mylar® BKFP is specifically designed as a forming web for rollstock thermoforming equipment for Bakery applications. A pocket is formed with the Mylar® BKFP where a bakery item would be deposited. Then a sealant capping web such as Mylar® BK2 would provide 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® BKFP forming web and Mylar® BK2 sealant capping 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.

475 ga. Mylar® BKFP can formed to draw depth of 2.0 – 4.0 inches depending on shape of mold. Heat over forming is required and good vacuum, air pressure temperature control is essential for satisfactory thermoforming.

Recommended forming conditions are 125°C. Forming time will be dependent on process ambient conditions, but typically is 2.0 – 3.0 seconds.

Approvals

FDA Food Contact Status - Mylar® BKFP complies with the Food and Drug Administration regulations 21 CFR 177.1390 and 21 CFR 177.1390. These regulations describe films that can safely be used in contact with all types of foods including alcoholic beverages that do not exceed 8% alcohol by volume. Mylar® BKFP can be used to contain foods during oven cooking at temperatures above 250°F.

Disposal

Dispose of Mylar® BKFP 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 incinerator must be capable of scrubbing out acidic off gas. The disposal method should comply with local, state and federal regulations, in compliance with Federal, State and Local regulations.

Typical Properties

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O ₂ , 24 hr	475	0.6	cc/100 in ²	ASTM D3985 22°C/50% RH/1 ATM
WVTR	475	1.70	g/100 in ² /day	ASTM F1249 38°C, 90% RH

OPTICAL				
Haze	475	11	%	ASTM D1003
TLT	475	90	%	ASTM D1003

PHYSICAL				
C.O.F. (dynamic) A-B	475	0.3	n/a	ASTM D1894 (untreated to treated)
C.O.F. (static) A-B	475	0.5	n/a	ASTM D1894 (untreated to treated)
Elongation at Break MD	475	190	%	ASTM D882A
Elongation at Break TD	475	146	%	ASTM D882A
Tensile Strength MD (at Break)	475	8,649	psi	ASTM D882A
Tensile Strength TD (at Break)	475	9,241	psi	ASTM D882A
Tear Initiation MD	475	11	Lbs	AST M D1004
Tear Initiation TD	475	10	Lbs	AST M D1004
Tear Propagation MD	475	2	Lbs	ASTM D1938
Tear Propagation TD	475	1	Lbs	ASTM D1938
Yield (nominal)	475	4,888	in ² /lb	

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.

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