



DuPont Teijin Films™

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MYLAR® GX-P

Product Description

Mylar® GX-P is a printable clear film which has near-foil moisture and oxygen barrier properties. It offers superior flex crack and pinhole resistance and is suitable for microwave and metal detection applications. It can be laminated for use in packaging applications and performs well in most converting processes.

Approvals

FDA Food Contact Status - FDA Food Contact Status - Mylar® GX-P film is for use as a non-food contact layer [to be separated from food by at least 20 micron (0.8 mil) thick low density polyethylene (LDPE) layer or other polymer food contact layer of equal or better barrier properties than 20 micron LDPE] in multilayer constructions intended for use in single-use packaging of food of all types under Conditions of Use B-H (as defined in 21 CFR 176.170(c)).

Typical Properties

Available Thickness [Gauge]
48

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O ₂ , 24 hr	48	0.02	cc/100 in ²	ASTM D1434 30°C/70% RH/1 ATM
WVTR	48	0.005	g/100 in ² /day	ASTM F1249 40°C, 90% RH
OPTICAL				
Haze	48	2.4	%	ASTM D1003
PHYSICAL				
Elongation at Break MD	48	114	%	ASTM D882A
Elongation at Break TD	48	124	%	ASTM D882A
Modulus (Stiffness) MD	48	616	kpsi	ASTM D882A
Modulus (Stiffness) TD	48	587	kpsi	ASTM D882A
Surface Tension - Coated	48	52	dyne/cm	
Surface Tension - Uncoated	48	43	dyne/cm	
Tensile Strength MD	48	26	kpsi	ASTM D882A
Tensile Strength TD	48	24	kpsi	ASTM D882A
Yield (nominal)	48	41,900	in ² /lb	
THERMAL				

Shrinkage MD (150°C)	48	0.7	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	48	-0.2	%	Unrestrained @ 150°C/30 min

Contact Info

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Disclaimer

Note: DuPont Teijin Films has entered into a North American market development agreement with respect to certain Toppan PET film products. All of the data set forth in this Product Description have been supplied by Toppan. Toppan confirms that these values are typical performance data for this film type; they are not intended to be used as design data. Toppan believes that 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. Neither Toppan nor DuPont Teijin Films assume 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 patents.

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