DuPont Teijin Films™

MYLAR® CL

Product Description
Mylar® CL is an exceptionally strong polyester film designed to package foods. Foods can be heated or cooked in this film at temperatures up to 400°F. Mylar® CL is commercially available in nominal 50 and 100 gauges. The film is typically provided with the sealant side wound toward the core.

General Product Info
This film is similar to Mylar® OL2, however, this film will have much stronger seals at temperatures above 180°F than OL2. This film withstands freezing temperatures down to -40°F. Mylar® CL softens in the range of 425°-450°F.

Special Features
Corona Treatment (Mylar® CLT): Selected gauges of Mylar® CL are available with corona treatment (on the side opposite the heat seal layer) to enhance printing and laminating. This film type is marketed by DuPont Teijin Films as Mylar® CLT. The film is treated to an initial dyne level of 54. The dyne level of treated lidding films may decline with storage, and in-line corona treatment may be required during subsequent printing or laminating to increase the dyne level to a value adequate to get desired ink or laminate adhesion.

Typical Applications
This film when laminated to foil makes an excellent inner cap seal for PET jars.

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

Disposal
Disposal of Mylar® CL does not present special 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]
50; 100

Property	Thickness	Value	Units	Test
BARRIER				
Gas Permeability - O2, 24 hr	100	5	cc/100 in²	ASTM D3985 22ºC/75% RH/1 ATM
Gas Permeability - O2, 24 hr	50	9	cc/100 in²	ASTM D3985 22ºC/75% RH/1 ATM
WVTR	100	1.3	g/100 in2/day	ASTM F1249 38°C, 90% RH
WVTR	50	2.8	g/100 in2/day	ASTM F1249 38°C, 90% RH
PHYSICAL				
Elongation at Break MD	100	140	%	ASTM D882A
Elongation at Break MD	50	110	%	ASTM D882A
Elongation at Break TD	100	80	%	ASTM D882A
Elongation at Break TD	50	80	%	ASTM D882A
Modulus	50 - 100	550	kpsi	ASTM D822
Tear (Graves)	100	1.1	lb	ASTM D1004
Tear (Graves)	50	0.7	lb	ASTM D1004

Tensile Strength MD (break)	100	27	kpsi	ASTM D882A
Tensile Strength MD (break)	50	27	kpsi	ASTM D882A
Tensile Strength TD (break)	100	40	kpsi	ASTM D882A
Tensile Strength TD (break)	50	34	kpsi	ASTM D882A
Unit Weight	100	21.8	lb/ream	E252 (0.5m2)
Unit Weight	50	11.7	lb/ream	E252 (0.5m2)
Yield (nominal)	100	19,900	in^2/lb	
Yield (nominal)	50	37,100	in^2/lb	
THERMAL				
Heat Seal Strength (Coat/Coat)	100	500	g/in	250°F, 0.5 sec, 20 psi
Heat Seal Strength (Coat/Coat)	50	500	g/in	250°F, 0.5 sec, 20 psi

Standard Put-ups

Core I.D. (Inches)	Roll O.D. (Inches)	Thickness (Gauge)	Length (Feet)
3	9 1/2 ± 1/4	100	5,000
3	13 ± 1/4	100	10,100
6	11 ± 1/4	100	5,000
6	14 ± 1/4	100	9,850
6	18 ± 1/4	100	18,100
3	9 ± 1/4	50	9,300
3	13 ± 1/4	50	18,800
6	11 ± 1/4	50	9,400
6	14 ± 1/4	50	18,400
6	18 ± 1/4	50	33,700

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 it's 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.