



# DuPont Teijin Films™

## MYLAR® LBT

### Product Description

Mylar® LBT is an uncoated, transparent polyester film that has been corona treated on one side to provide superior wetting and adhesion of inks, primers and adhesives. Mylar® LBT is commercially available in nominal 48, 75 and 92 gauges. Other gauges may be available upon request. The standard wind-up presents the corona-treated side facing the roll core.

### General Product Info

In addition to the enhanced wettability offered to inks, primers, adhesives and coatings, Mylar® LBT offers all of the properties attributed to Mylar® LB, including high levels of strength, temperature resistance and flavor and odor barriers. Its sparkling clarity and insensitivity to humidity make Mylar® LBT a preferred print carrier.

### Typical Applications

Mylar® LBT typically is used as the reverse printed outer ply of a lamination with inner plies providing additional oxygen barrier if needed, as well as heat sealability. The availability of the two-side corona-treated Mylar® LBT2 permits use where the ply will be buried inside a lamination with bonding to both surfaces or where the exposed outer surface will subsequently receive surface printing, code dating or some form of package lot identification.

### Approvals

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

**UL Recognition** - Product has been registered with Underwriters Laboratories.

### Disposal

Dispose of in compliance with federal, state and local regulations. Preferred options for disposal are (1) recycling, (2) incineration with energy recovery and (3) landfill. The high fuel value of this product makes option No. 2 very desirable for material that cannot be recycled.

### Typical Properties

Available Thickness [Gauge]
48; 75; 92

Property	Thickness	Value	Units	Test
<b>BARRIER</b>				
Gas Permeability - O <sub>2</sub> , 24 hr	48	9	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	75	7	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	92	5	cc/100 in <sup>2</sup>	ASTM D3985 22°C/75% RH/1 ATM
WVTR	48	2.8	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
WVTR	75	1.9	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
WVTR	92	1.3	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
<b>OPTICAL</b>				
Clarity	48	76	%	ASTM D1746
Clarity	75	73	%	ASTM D1746
Clarity	92	70	%	ASTM D1746
Gloss 20 Degrees	48	200		ASTM D2457
Gloss 20 Degrees	75	180		ASTM D2457
Gloss 20 Degrees	92	150		ASTM D2457
Haze	48	4.0	%	ASTM D1003
Haze	75	5.5	%	ASTM D1003
Haze	92	6.0	%	ASTM D1003
<b>PHYSICAL</b>				

Elongation at Break MD	48	110	%	ASTM D882A
Elongation at Break MD	75	130	%	ASTM D882A
Elongation at Break MD	92	140	%	ASTM D882A
Elongation at Break TD	48	80	%	ASTM D882A
Elongation at Break TD	75	100	%	ASTM D882A
Elongation at Break TD	92	80	%	ASTM D882A
Modulus	48 - 92	550	kpsi	ASTM D822
Tear (Graves)	48	0.7	lb	ASTM D1004
Tear (Graves)	75	0.9	lb	ASTM D1004
Tear (Graves)	92	1.1	lb	ASTM D1004
Tensile Strength MD (break)	48	27	kpsi	ASTM D882A
Tensile Strength MD (break)	75	29	kpsi	ASTM D882A
Tensile Strength MD (break)	92	27	kpsi	ASTM D882A
Tensile Strength TD (break)	48	34	kpsi	ASTM D882A
Tensile Strength TD (break)	75	35	kpsi	ASTM D882A
Tensile Strength TD (break)	92	40	kpsi	ASTM D882A
Unit Weight	48	10.4	in <sup>2</sup> /lb	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	75	16.2	in <sup>2</sup> /lb	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	92	19.7	in <sup>2</sup> /lb	ASTM E252 (0.5 m <sup>2</sup> )
Yield (nominal)	48	41,700	in <sup>2</sup> /lb	
Yield (nominal)	75	26,700	in <sup>2</sup> /lb	
Yield (nominal)	92	22,000	in <sup>2</sup> /lb	
<b>THERMAL</b>				
Shrinkage MD (150°C)	48	2.2	%	Unrestrained @ 150°C/30 min
Shrinkage MD (150°C)	75	2.2	%	Unrestrained @ 150°C/30 min
Shrinkage MD (150°C)	92	1.6	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	48	1.3	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	75	1.1	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	92	1.6	%	Unrestrained @ 150°C/30 min

### Standard Put-ups

Core I.D. (Inches)	Roll O.D. (Inches)	Thickness (Gauge)	Length (Feet)
3	9 1/2 ± 1/4	48	10,600
3	9 1/2 ± 1/4	75	6,800
3	9 1/2 ± 1/4	92	5,600
3	13 ± 1/4	48	21,300
3	13 ± 1/4	75	13,600
3	13 ± 1/4	92	11,200
3	18 ± 1/4	48	42,400
3	18 ± 1/4	75	27,200
3	18 ± 1/4	92	22,300
6	11 ± 1/4	48	10,600
6	11 ± 1/4	75	6,800
6	11 ± 1/4	92	5,600
6	14 ± 1/4	48	20,800
6	14 ± 1/4	75	13,400
6	14 ± 1/4	92	11,000
6	18 ± 1/4	48	38,300
6	18 ± 1/4	75	24,500
6	18 ± 1/4	92	20,200
6	22 1/2 ± 1/4	48	63,100
6	22 1/2 ± 1/4	75	40,400
6	22 1/2 ± 1/4	92	33,200
6	24 ± 1/4	48	72,600
6	24 ± 1/4	75	46,500
6	24 ± 1/4	92	38,200

### 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,

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