



Technical Datasheet - US Customary Units

Mylar® A

Product Description

Mylar® A films are tough, general purpose films that are transparent in 48 through 92 gauge and translucent in heavier gauges. They have a rough surface to provide ease of handling, good adhesion, and processability. They are used for a broad range of industrial applications. It is available in thicknesses of 48, 75, 92, 142, 200, 300, 400, 500, 750, 900, 1000, 1200 and 1400 gauge.

General Product Info

Mylar® A films have balanced tensile properties and excellent resistance to moisture and most chemicals. They can withstand temperature extremes from -100°F to 300°F. Mylar® does not become brittle with age under normal conditions, because it contains no plasticizers.

Typical Applications

Mylar® A films are used extensively in a wide variety of markets. Some of them are:

- Book jackets
- Carbon ribbon
- Control Tape
- Drumheads
- Duct Liners
- Identifications
- Membrane touch switches
- Metallized Base
- Pressure Sensitive Labels (plain or metallized)
- Protective surfacing
- Release liners
- Roll leaf (hot stamping)

Approvals

Food Contact Status - Please contact your Mylar Specialty Films representative to receive the Regulatory Compliance documents

Typical Properties

Property	Thickness	Value	Units	Test
OPTICAL				
Haze	48	7	%	ASTM D1003
Haze	1400	90	%	ASTM D1003
PHYSICAL				
Elongation at Break MD	48	110	%	ASTM D882A
Elongation at Break MD	1400	170	%	ASTM D882A
Elongation at Break TD	48	70	%	ASTM D882A
Elongation at Break TD	1400	170	%	ASTM D882A
Modulus	48 - 1400	507	kpsi	ASTM D822
Tensile Strength MD	48	26	kpsi	ASTM D882A
Tensile Strength MD	1400	26	kpsi	ASTM D882A
Tensile Strength TD	48	32	kpsi	ASTM D882A
Tensile Strength TD	1400	25	kpsi	ASTM D882A

THERMAL				
Shrinkage MD (150°C)	48	2.0	%	Unrestrained @ 150°C/30 min
Shrinkage MD (150°C)	1400	1.3	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	48	1.0	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	1400	0.8	%	Unrestrained @ 150°C/30 min
Yield				
Yield	48	41,300	in ² /lb	
Yield	75	26,500	in ² /lb	
Yield	92	21,500	in ² /lb	
Yield	142	14,000	in ² /lb	
Yield	200	9,900	in ² /lb	
Yield	300	6,600	in ² /lb	
Yield	400	5,000	in ² /lb	
Yield	500	4,000	in ² /lb	
Yield	750	2,600	in ² /lb	
Yield	900	2,200	in ² /lb	
Yield	1000	2,000	in ² /lb	
Yield	1400	1,400	in ² /lb	

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