



MYLAR® MO

Product Description

Mylar® MO polyester film has excellent electrical properties. This film offer exceptional cut-through resistance, low shrinkage, low moisture absorption, and high thermal durability. Mylar® MO film is used as insulation in systems that have been given Class B ratings by Underwriters Laboratories (UL). It offers product uniformity that enhances processing on automatic slot and wedge insertion equipment.

General Product Info

The inherit mechanical durability of Mylar® Type MO film and its good dielectric and thermal durability characteristics endow this film with multiple advantages in motors and generators.

Special Features

Slit rolls are available in the following configuration:

- 3" ID 13" OD
- 3" ID 16" OD
- 3" ID 18" OD

Master rolls are available as shown in the Standard Put-Ups table. They are splice free and are available in selected widths in minimum order quantities of 35,000 lb per order with a minimum of 10,000 lb per item.

Typical Applications

Mylar® MO film is being widely used for electrical insulation in slot liners, wedges, and phase insulation for motors and generators. This film is also frequently used in hermetic motor/compressor sealed units, fractional horse power motors, diaphragms, and industrial laminations.

Approvals

UL 94 VTM-2 - for 500 gauge (0.13 mm only)

Typical Properties

Available Thickness [Gauge]
500

Property	Thickness	Value	Units	Test
ELECTRICAL				
Dielectric Strength	500	13.5	kV	ASTM D149 1/4" electrode 500 V/sec 25°C in air
OPTICAL				
Opacity	500	14	%	optical density
PHYSICAL				
Density	500	1.3923	g/cc	
Elongation at Break MD	500	140	%	ASTM D882A
Elongation at Break TD	500	115	%	ASTM D882A
Tensile Strength MD	500	27	psi	ASTM D882A

Tensile Strength TD	500	30	psi	ASTM D882A
Yield (nominal)	500	4,000	in ² /lb	
THERMAL				
Shrinkage MD (150°C)	500	1.1	%	Unrestrained @ 150°C/30 min
Shrinkage TD (150°C)	500	0.7	%	Unrestrained @ 150°C/30 min

Standard Put-ups

Core I.D. (Inches)	Roll O.D. (Inches)	Thickness (Gauge)	Length (Feet)
3	13	500	2,040
10 (Master roll)		500	8,200

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, or intended to suggest infringement of, any existing patents.

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