

**POLYESLINE S.L.**

Polígono Industrial "Els Mollons". C/ Tapissers, 4 – 46970 Alaquas, Valencia –Spain.

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Web site: www.polyesline.com**Technical Datasheet - US Customary Units****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. It offers product uniformity that enhances processing on automatic slot and wedge insertion equipment. It is available in a thickness of 50 gauge.

General Product Info

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

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 Recognition - Product has been registered with Underwriters Laboratories.

Typical Properties

Property	Thickness	Value	Units	Test
ELECTRICAL				
Breakdown Voltage	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	

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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)
10 (Master roll)		500	8,200

The information provided in this Product Information Sheet corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the typical range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since Mylar Specialty Films cannot anticipate all variations in actual end-use conditions Mylar Specialty Films makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights. Caution: Medical device applications incorporating Mylar®, Melinex® or Kaladex® films must be reviewed and approved under Mylar Specialty Films Medical Device Policy. Mylar®, Melinex® and Kaladex® films are not intended for implantation in the human body. For other applications, please contact your Technical Service Representative for more details. Copyright © 2024

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