



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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