



Mylar® Polyester Film

Mylar® WC

Manufactured at DuPont HongJi

Product Description

Mylar® WC Film is used as a general electrical film with the similar properties of EL film. The clear to hazy film is tough and durable with good dielectrics and handling characteristics, being used as a core wrap, as well as a protection from electronic waves and magnetic effect. It is available in the regular thickness of 19-125 Micron. Hongji brand WC is available in the thickness 125-350 Micron.

Application

Mylar® WC film has the good mechanic and dielectric characteristics required for wire and cable used in telecommunications and power transmission, as well as a protection from electronic waves and magnetic effect. Mylar® WC film in the thickness of 23--125 Micron is UL recognized.

Typical Properties

Mylar® WC film has high tensile strength, dimensional stability, and dielectric strength needed for wire and cable as well as a protection from electronic waves and magnetic effect.

Typical Values for Major Properties

| Thickness | Tensile Strength MD/TD | Elongation MD/TD | Modulus MD/TD | Shrinkage MD/TD 150 ,30min | Breakdown Voltage |
|-----------|---------------------------|---------------------|------------------|----------------------------------|----------------------|
| Micron | MPa | % | MPa | % | Kv |
| DIN 53370 | ASTM D 882A | ASTM D 882A | ASTM D 882A | ASTM D 1204 | IEC 243 |
| 23 | 220/220 | 150/140 | 4000/4000 | 1.7/0.5 | 4.0 |
| 50 | 200/200 | 170/150 | 3800/3800 | 1.5/0.5 | 7.7 |
| 75 | 200/200 | 170/150 | 3800/3800 | 1.5/0.5 | 10.0 |
| 100 | 190/190 | 180/160 | 3500/3500 | 1.5/0.5 | 12.0 |
| 125 | 180/180 | 180/160 | 3500/3500 | 1.5/0.5 | 16.0 |
| 188 | 170/170 | 190/170 | 3200/3200 | 1.5/0.5 | 19.0 |
| 250 | 170/170 | 190/170 | 3200/3200 | 1.5/0.5 | 23.0 |
| 350 | 150/150 | 190/170 | 3000/3000 | 1.5/0.5 | 26.0 |

*MD : Machine Direction; TD : Transverse Direction

Standard Put-ups

| Film | Standard Reel Length (metres) | Multiples of Standard Reel Length Available |
|---|-------------------------------|---|
| WC 23 Micron | 3000 | 2, 3 |
| WC 50 Micron | 1500 | 2, 3 |
| WC 75 Micron | 1000 | 2, 3 |
| WC 100 Micron | 700 | 2, 3 |
| WC 125 Micron | 600 | 2, 3 |
| WC 150 Micron | 500 | 2, 3 |
| WC 188 Micron | 400 | 2 |
| WC 250 Micron | 300 | 2 |
| WC 350 Micron | 210 | 2 |
| Max. available slit width: 1400mm | | |
| Core ID size : 76mm, 152mm , Other core sizes are available on request. | | |
| Other specification available on request. | | |

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont Teijin 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 and patent right.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see “DuPont Teijin Films Medical Caution Statement”, H-50102-DTF.

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