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| | | | |
|---|---|---|---|
| -0.1 | E | +0.4 | Y |
| 0 | L | +0.5 | Z |

Example：

8D indicates 7.8 um in MMV; thickness; 12X indicates 12.3 um .
Remarks： The film of 3L.4E.5E.6E.7E.8D.9D and 10D etc. are recommended.

| | | | 3L | 4E | 5E | 6E | 7E | 8D | 9D | 10D | 12D |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Thickness | WMV | μm | 2.8 | 3.7 | 4.7 | 5.6 | 6.6 | 7.5 | 8.5 | 9.5 | 11.5 |
| | MMV | μm | 3.0 | 3.9 | 4.9 | 5.9 | 6.9 | 7.8 | 8.8 | 9.8 | 11.8 |
| Tolerance | Average | % | ±3 | | | | | | | | |
| | Individual | % | ±9 | | | | ±7 | | | | ±5 |
| Final film roll width | | mm | 500 ， 620 | | | | | | | | |
| Inner diameter | | mm | 76.2 ， 152.4 | | | | | | | | |
| Net weight | | kg | 62， 80 | | | | | | | | |

Note： Unusual specifications can be negotiated and specified additionally.

Capacitor Polypropylene Rough film type RPP/RRPP



■ Features

By adopting the imported super high-purity capacitor-grade homo-polypropylene resin, the rough film is produced by biaxial-orientation tenter process. The film features excellent physical and electrical properties, such as good profile evenness， high electric strength， low dielectric dissipation and good windability etc. The film can company with a good many kinds of capacitor impregnation oil well. According to the authentication from National Power Capacitor Test Center, the product conforms to all the requirements of capacitor insulation materials.

■ Application range:

Mainly for power, electrothermal and other relevant kinds of high voltage capacitors designed as foil-film or foil-film & paper with oil-impregnation.

■ Technical Characteristics （typical value）

| | | Unit | Typical Values | Test conditions |
|---|---|---|---|---|
| Tensile strengh | TD | Mpa | 140 | Stretching speed 100mm/min @23℃，50％r.h. |
| | TD | Mpa | 200 | |
| Elongation at break | MD | % | 150 | |
| | TD | % | 50 | |
| | MD | % | 3.5 | 15 min @ 120℃ |

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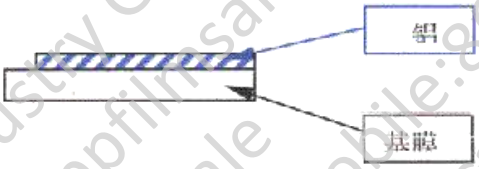
1.Property



1.1 Advantages
Better electrical conductivity, compared with Zn/Al film
Considerable good self-healing performance
Good performance of anti-air-corrosion. Convenience for reserve and long storage time
1.2 Disadvantage
1.2.1 higher capacitance loss than Al/Zn film
1.2.2 coated lay is very thin, so metallikon is difficult.
1.2.3 In time of metal spraying, alumina will increase the resistivity.

2. Application
Applied to capacitors for power system, refrigerators, air conditioners and so on.

3. Construction type




4. Specification

| item | unit | nominal value | |
|---|---|---|---|
| roll | mm | roll diameter<br>inner diameter | 75 |
| | | outer diameter | 150～300(The specific diameters can be customized. ) |
| thickness | μm | 4、5、6、7、8、9、10、12 | |
| width×margin value | mm | 6X1.5 8X1.5 10X1 10X1.5 20X1<br>14X1.5 15X1.5 7X2.5 9.5X2.5 5.5X2.5<br>12X2.5 10X2.5 15X2.5 12X3 9.5X3<br>30X1.5 7.5X1.5 18X1.5 28X1.5 20X1.5<br>23X1.5 60X5 7X1 8X1 12X1<br>15X1 25X1 30X1 7X1.5 12X1.5<br>25X1.5 35X1.5 10X2 15X2 12.5X1.5 | |
| | | 5X2.5 10X2.5 15X2.5 20X2.5 25X2.5<br>30X2.5 35X2.5 37.5X2.5 40X2.5 45X2.5<br>50X2.5 55X2.5 60X2.5 65X2.5 65X2.5<br>70X2.5 | |

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