

PRODUCT INFORMATION


Polyester Film

EM

Manufactured at DuPont HongJi

Product Description

Hongji brand EM films are strong, heavy gauge films that have excellent electrical properties. These films offer exceptional cut-through resistance, low shrinkage, low moisture absorption, and high thermal durability. EM films are used as insulation in systems. It has a relative thermal index (RTI) of 105 certified by Underwriters Labs. They also offer product uniformity that enhances processing on automatic slot and wedge insertion equipment.

Application

EM films are being widely used for electrical insulation in slot liners, wedges and phase insulation for motors and generators.

Typical Properties

The inherit mechanical durability of EM films and their good dielectric and thermal durability characteristics endow these films with multiple advantages in motors and generators.

Approval

UL recognized - Product has been registered with Underwriters Laboratories (File No.E241830)

UL 94 VTM-2 For 75 micron (0.075mm) Only

Typical Values for Major Properties

Thickness	Tensile Strength MD/TD	Elongation MD/TD	Shrinkage MD/TD 150 °C, 30min	Dielectric Strength
Micron	MPa	%	%	KV
DIN 53370	ASTM D 882 A	ASTM D 882 A	ASTM D 1204	IEC243
125	190/190	180/160	1.1/0.7	16
188	180/180	160/140	1.1/0.7	17
250	170/170	170/140	1.1/0.7	21
350	160/160	180/140	1.1/0.7	24

***MD : Machine Direction ; TD : Transverse Direction**

Standard Put-ups

Film	Standard Reel Length (metres)	Multiples of Standard Reel Length Available
125Micron	600	2, 3
188Micron	400	2, 3
250Micron	300	2, 3
350Micron	210	2, 3
Max. available slit width: 1500mm		
Core ID size : 152mm.		
Other sizes can be produced as per the customer requirement.		

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.

Product of DuPont Hongji Films Foshan Co. Ltd.

DH/CZ-E027-A0