DuPont Teijin Films Mylar® WC Polyester Film, 75 Gauge

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

Material Notes:

Mylar® WC films are general-purpose electrical grade films, similar to Mylar® EL. These clear to hazy films are tough and durable as a core wrap. They offer good dielectrics and good handling characteristics.General Product Info: Mylar® Type WC films combine the tensile strength, dimensional stability, and dielectric strength needed for wire and cable applications.Typical Applications: Mylar® WC films possess the characteristics required for wire and cable used in the telecommunications and power transmission fields.Approvals: UL recognized - MIL-I631D, TYPE G and UL 94 VTM-2 - for 92 - 500 gauge (0.023 - 0.13 mm)Information provided by DuPont.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-WC-Polyester-Film-75-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in³	Typical Mylar®; ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	110 %	110 %	ASTM D882A
Film Elongation at Break, TD	90 %	90 %	ASTM D882A
Film Tensile Strength at Break, MD	193 MPa	28000 psi	ASTM D882A
Film Tensile Strength at Break, TD	234 MPa	34000 psi	ASTM D882A

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.17 J/g-°C	0.280 BTU/lb-°F	Typical Mylar®
Melting Point	254 °C	489 °F	Typical Mylar® via DSC
Shrinkage, MD	2.0 % @Temperature 150 °C, Time 1800 sec	2.0 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	1.1 % @Temperature 150 °C, Time 1800 sec	1.1 % @Temperature 302 °F, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Dielectric Strength	183.7 kV/mm	4667 kV/in	1/4" electrode 500 V/sec 25°C in air; ASTM D149

Electrical Properties	Metric	English	Comments
Dielectric Breakdown	3500 V	3500 V	1/4" Electrode 500 V/sec 25°C in air; ASTM D149

Descriptive Properties	Value	Comments
Yield (nominal)	26500 in^2/lb	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China