DuPont Teijin Films Mylar® C Polyester Film, 14 Gauge

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

Material Notes:

Mylar® Type C films are available in a wide range of generally thinner gauges (typically 10 through 92) that offer excellent electrical properties, combined with superior strength and dimensional stability.Mylar® Type C films offer the ideal combination of tensile strength, dimensional stability, and electrical properties needed for use in capacitors.Mylar® Type C films were developed specifically as a dielectric for use in metallized and film/foil capacitors. Typical capacitor applications include energy storage, frequency discrimination, filtering, coupling, and by-passing.Approvals: UL 94 VTM-2 - for 92 - 500 gauge (0.023 - 0.13mm) and UL Recognition - for 92 - 500 gauge (0.023 - 0.13mm) - HWI=5, HAI=4, CTI=1Information provided by DuPont.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-C-Polyester-Film-14-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 Tensile Strength at Break, MD	159 MPa	23000 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	1.0 % @Temperature 150 °C, Time 1800 sec	1.0 % @Temperature 302 °F, Time 0.500 hour	Unrestrained

Optical Properties	Metric	English	Comments
Refractive Index	1.64 - 1.67	1.64 - 1.67	typical of Mylar®

Electrical Properties	Metric	English	Comments
Dielectric Strength	232.0 kV/mm	5893 kV/in	100 V/sec
Dielectric Breakdown	825 V	825 V	100 V/sec
Comparative Tracking Index	400 - 600 V	400 - 600 V	

Electrical Properties	Metric	English	Comments
Hot Wire Ignition, HWI	<= 7.0 sec	<= 7.0 sec	
High Amp Arc Ignition, HAI	<= 15 arcs	<= 15 arcs	

Descriptive Properties	Value	Comments
Insulation Resistance	9000 µF	

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