

DuPont Teijin Films Mylar® ELS951 Polyester Film, 92 Gauge

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

Material Notes:

Mylar® ELS951 is an specialized film being produced to provide a clear film substrate with good handling characteristics for use in window film, release sheet applications. The MD/TD shrinkage ratio has been optimized for ideal heat shaping properties. The product is silicone coated on one side and raw polyester film on the other side. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-ELS951-Polyester-Film-92-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.3904 g/cc	0.050231 lb/in ³	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	135 %	135 %	ASTM D882A
Film Elongation at Break, TD	110 %	110 %	ASTM D882A
Coefficient of Friction, Dynamic	0.27	0.27	A-B, (untreated to treated); ASTM D1894-01
Coefficient of Friction, Static	0.49	0.49	A-B, (untreated to treated); ASTM D1894-01
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	0.20 % @Temperature 150 °C, Time 1800 sec	0.20 % @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®
Haze	1.6 %	1.6 %	ASTM D1003

Descriptive Properties	Value	Comments
Color	7	b
	89	L

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