

DuPont Teijin Films Mylar® ADS Polyester Film, 400 Gauge

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

Material Notes:

Mylar® ADS is a heat stabilized, low shrinkage film with good web handling properties. Approvals: UL 94 VTM-2 - for 92 - 500 gauge (0.023 - 0.13mm) Also available in 285 Gauge Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-ADS-Polyester-Film-400-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	Typical Mylar®; ASTM D1505

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	160 %	160 %	ASTM D882A
Film Elongation at Break, TD	140 %	140 %	ASTM D882A
Film Tensile Strength at Break, MD	173 MPa	25100 psi	ASTM D882A
Film Tensile Strength at Break, TD	188 MPa	27300 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	0.50 % @Temperature 150 °C, Time 1800 sec	0.50 % @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	43 %	43 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Dielectric Strength	132.9 kV/mm	3375 kV/in	1/4" electrode 500 V/sec 25°C in air; ASTM D149
	13500 V	13500 V	1/4" electrode 500 V/sec 25°C in air;

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