

DuPont Teijin Films Mylar® HP Polyester Film, 92 Gauge

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

Material Notes:

Mylar® HP film is a high strength, high clarity and low haze polyester film with dimensional stability particularly suitable for use in applications where dimensional stability is a requirement during processing. It is used for a broad range of industrial applications. General Product Info: Mylar® HP film has high strength, low haze, and excellent dimensional stability such as its TD shrinkage - zero percent at 150° C/30 min. Typical Applications: Mylar® HP film is designed for roll leaf and metallized labels applications. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-HP-Polyester-Film-92-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	120 %	120 %	ASTM D882A
Tensile Modulus	4.19 GPa	608 ksi	ASTM D882A
Film Tensile Strength at Break, MD	210 MPa	30400 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	1.3 % @Temperature 150 °C, Time 1800 sec	1.3 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	0.00 % @Temperature 150 °C, Time 1800 sec	0.00 % @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	11.5 %	11.5 %	ASTM D1003

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