

DuPont Teijin Films Mylar® LJP Polyester Film, 142 Gauge

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

Material Notes:

Mylar® LJP is an industrial grade very clear film that is available with adhesion promoting coatings and slip coatings. For higher quality end-uses (especially for surface requirements) consider using alternatives such as Melinex® 453, 454 or Mylar® LJ. General Product Info: The following product Mylar® LJP variants are available: LJP111 One side pretreated to promote adhesion to most printing inks and industrial coatings. LJP112 Two side pretreated to promote adhesion to most printing inks and industrial coatings. LJP181 One side pretreated for slip to provide good handling properties. LJP182 Two side pretreated for slip to provide good handling properties. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-LJP-Polyester-Film-142-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 Tensile Strength at Yield, MD	96.5 MPa	14000 psi	ASTM D882A
Film Tensile Strength at Yield, TD	96.5 MPa	14000 psi	ASTM D882A
Film Elongation at Break, MD	160 %	160 %	ASTM D882A
Film Elongation at Break, TD	120 %	120 %	ASTM D882A
Film Tensile Strength at Break, MD	152 MPa	22000 psi	ASTM D882A
Film Tensile Strength at Break, TD	207 MPa	30000 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	1.6 % @Temperature 150 °C, Time 1800 sec	1.6 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	0.50 % @Temperature 150 °C, Time 1800 sec	0.50 % @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®

Optical Properties Metric	Metric Value	English Value	Comments ASTM D1003
Transmission, Visible	88 %	88 %	ASTM D1003

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