

DuPont Teijin Films Mylar® 840 Polyester Film, 48 Gauge

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

Material Notes:

Mylar® 840 is a one-side pretreated polyester film for improved metal or cold seal adhesion. The packaging industry is constantly setting higher standards for product protection using flexible packaging films. Improved barriers as well as package strength and stiffness are key characteristics of Mylar® 840 polyester which has made it a premier packaging film. Approvals: FDA Food Contact Status - All gauges of Mylar® 840 comply with the Food and Drug Administration regulation 21 CFR 177.1630 -- Polyethylene phthalate polymers, sections (f) and (h). These regulations describe films that can safely be used in contact with all types of foods, excluding alcoholic beverages. The films listed above can be used to contain foods during oven cooking at temperatures up to and above 250°F. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-840-Polyester-Film-48-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	110 %	110 %	ASTM D882A
Film Elongation at Break, TD	80 %	80 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	A-B; ASTM D1894
Coefficient of Friction, Static	0.50	0.50	ASTM D1894
Film Tensile Strength at Break, MD	222 MPa	32200 psi	ASTM D882A
Film Tensile Strength at Break, TD	269 MPa	39000 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
Maximum Service Temperature, Air	121 °C	250 °F	
Shrinkage, MD	1.26 % @Temperature 150 °C, Time 1800 sec	1.26 % @Temperature 302 °F, Time 0.500 hour	Unrestrained
Shrinkage, TD	1.28 % @Temperature 150 °C, Time 1800 sec	1.28 % @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®
Transmission, Visible	88.5 %	88.5 %	TLT; ASTM D1003

Descriptive Properties	Value	Comments
Bond Strength @ Ambient Conditions (metallized)	750 g	77°F and 50% RH
Gas Permeability (Base film)	1.6 cc/100 in ²	Nitrogen; ASTM D1434 (24 hrs @ 77°F and 75% RH @ 1 ATM)
	31.0 cc/100 in ²	Carbon Dioxide; ASTM D1434 (24 hrs @ 77°F and 75% RH @ 1 ATM)
Yield (nominal)	42200 in ² /lb	

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