

DuPont Teijin Films Mylar® MLBT Polyester Film, 48 Gauge

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

Material Notes:

Product Description: Mylar® MLBT is a clear, one side corona treated polyester film suitable for flexible packaging, printing and laminations. It is also the film of choice for approved medical end uses. **Approvals:** FDA Food Contact Status - All gauges of Mylar® MLBT comply with the Food and Drug Administration regulation 21 CFR 177.1630 -- Polyethylene phthalate polymers. This regulation describes films which may be safely used in contact with all types of food excluding alcoholic beverages. Uncoated films such as Mylar® MLBT can be used to contain foods during oven cooking or oven baking at temperatures above 250°F. **Drug Master File -** This product is listed in our Drug Master File. Also available in 92 Gauge Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-MLBT-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	90 %	90 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	A-B, untreated to treated; ASTM D1894
Coefficient of Friction, Static	0.50	0.50	ASTM D1894
Film Tensile Strength at Break, MD	163 MPa	23700 psi	ASTM D882A
Film Tensile Strength at Break, TD	166 MPa	24100 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	1.25 % @Temperature 150 °C, Time 1800 sec	1.25 % @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	2.8 %	2.8 %	ASTM D1003

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

Descriptive Properties	Value	Comments
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