

DuPont Teijin Films Mylar® LB Polyester Film, 92 Gauge (23 µm)

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

Material Notes:

Data provided by DuPont Packaging Polymers. An uncoated, transparent polyester film designed for use as a component of a lamination.

Standard thickness offered include 48, 75, and 92 gauges. Varieties with enhanced surface characteristics for bonding by inks, primers, and adhesives. A basic lamination would combine plain or printed LB with a heat sealable ply consisting of LDPE, LLDPE, EVA, ionomer, acid copolymer, PVC, or other materials using adhesive or extrusion laminating techniques.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-LB-Polyester-Film-92-Gauge-23-m.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	Average value for Mylar® films.
Moisture Vapor Transmission	0.500 cc-mm/m ² -24hr-atm	1.27 cc-mil/100 in ² -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	20.0 g/m ² /day	1.29 g/100 in ² /day	ASTM E96 Procedure E
Oxygen Transmission	1.70 cc-mm/m ² -24hr-atm	4.32 cc-mil/100 in ² -24hr-atm	or 75 cc/m ² -24hr-atm for the film. ASTM D3985

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	140 %	140 %	ASTM D882
Film Elongation at Break, TD	80 %	80 %	ASTM D882
Modulus of Elasticity	3.79 GPa	550 ksi	(stiffness), ASTM D882
Tear Strength Test	500	500	Graves, g; ASTM D1004
Film Tensile Strength at Break, MD	187 MPa	27100 psi	ASTM D882
Film Tensile Strength at Break, TD	276 MPa	40000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	May be used to contain foods during baking above this temperature.
Shrinkage, MD	1.6 % @Temperature 150 °C, Time 1800 sec	1.6 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.
Shrinkage, TD	1.6 % @Temperature 150 °C, Time 1800 sec	1.6 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM D1003
Gloss	150 %	150 %	20°; ASTM D2457
Transmission, Visible	70 %	70 %	% Clarity; ASTM D1746

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