DuPont Teijin Films Mylar® LBT 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 that has been corona-treated to provide superior wetting and adhesion to inks, primers, and adhesives. Standard thicknesses include 48, 75, and 92 gauges. Other gauges may be available on special request. Typically used as the reverse printed outer ply of a lamination with inner plies providing additional oxygen barrier if needed, as well as heat sealability.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-LBT-Polyester-Film-92-Gauge-23-m.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	Average value for Mylar® films.
Moisture Vapor Transmission	0.500 cc-mm/m²-24hr-atm	1.27 cc-mil/100 in²-24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	20.0 g/m²/day	1.29 g/100 in²/day	ASTM E96 Procedure E
Oxygen Transmission	1.70 cc-mm/m²-24hr-atm	4.32 cc-mil/100 in²-24hr-atm	or 75 cc/m²-24hr-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	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

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

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