

DuPont Teijin Films Mylar® MC2 Polyester Film, 100 Gauge (25 µm), PVDC Coated

Category : Polymer , Film , Thermoplastic , Polyester, TP , PVDC , Polyvinyl Dichloride (PVDC) Coated Polyester Film

Material Notes:

Data provided by DuPont Packaging Polymers. A polyester film with a vacuum deposited layer of aluminum on one side and overcoated on both sides with a heat sealable PVDC copolymer. The film has excellent oxygen, moisture, and light barrier properties. It is available in 50 and 100 gauge. Can be used in plain and structured form to package snacks, candy, nuts, pharmaceuticals, dry chemicals, and other materials that require protection from moisture, oxygen, and light.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-MC2-Polyester-Film-100-Gauge-25-m-PVDC-Coated.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	Average value for Mylar® films.
Moisture Vapor Transmission	0.0150 cc-mm/m ² -24hr-atm	0.0381 cc-mil/100 in ² -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	0.600 g/m ² /day	0.0386 g/100 in ² /day	ASTM E96 Procedure E
Oxygen Transmission	0.00380 cc-mm/m ² -24hr-atm	0.00965 cc-mil/100 in ² -24hr-atm	or 0.15 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	120 %	120 %	ASTM D882
Modulus of Elasticity	3.79 GPa	550 ksi	(stiffness), ASTM D882
Tear Strength Test	400	400	Graves, g; ASTM D1004
Seal Strength	201 g/25 mm	201 g/in	
Film Tensile Strength at Break, MD	172 MPa	24900 psi	ASTM D882
Film Tensile Strength at Break, TD	228 MPa	33100 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	Not cleared by FDA for food temperatures above this temperature.
Shrinkage	1.5 % @Temperature 150 °C, Time 1800 sec	1.5 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.

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