

DuPont Teijin Films Mylar® M34 Polyester Film, 75 Gauge (20 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 transparent polyester packaging film, solvent coated on one side with a PVDC copolymer. The coating is heat sealable, and is an excellent moisture and oxygen barrier. Available in 50 and 75 gauges, with the coated side normally wound toward the core. Designed to be reverse printed on the coated side, then combined with a sealant layer such as polyethylene or Surlyn® ionomer resin - locking in the PVDC coating.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-M34-Polyester-Film-75-Gauge-20-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	0.180 cc-mm/m ² -24hr-atm	0.457 cc-mil/100 in ² -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	9.00 g/m ² /day	0.580 g/100 in ² /day	ASTM E96 Procedure E
Oxygen Transmission	0.200 cc-mm/m ² -24hr-atm	0.508 cc-mil/100 in ² -24hr-atm	or 9 cc/m ² -24hr-atm for the film. ASTM D3985

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	70 %	70 %	ASTM D882
Modulus of Elasticity	3.45 GPa	500 ksi	(stiffness), ASTM D882
Tear Strength Test	400	400	Graves, g; ASTM D1004
Seal Strength	156 g/25 mm	156 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	2.0 % @Temperature 150 °C, Time 1800 sec	2.0 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM D1003
Gloss	140 %	140 %	20°; ASTM D2457
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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