

## DuPont Teijin Films Mylar® 50 M44E Polyester Film, One-Sided PVDC Barrier Coated, 50 Gauge (discontinued \*\*)&

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

### Material Notes:

Data provided by DuPont Packaging Polymers. A transparent, exceptionally strong polyester film, coated on one side with an oxygen and moisture barrier PVDC copolymer. It is used as a substrate in combination with sealant webs, to produce a highly durable structure with excellent oxygen barrier. Can be printed with appropriate inks, including water based. The barrier coating may be adversely affected by certain solvents, if they are trapped during printing or laminating.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-50-M44E-Polyester-Film-One-Sided-PVDC-Barrier-Coated-50-Gauge-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-50-M44E-Polyester-Film-One-Sided-PVDC-Barrier-Coated-50-Gauge-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	Average value for Mylar® films.
Moisture Vapor Transmission	0.0800 cc-mm/m <sup>2</sup> -24hr-atm	0.203 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	6.00 g/m <sup>2</sup> /day	0.386 g/100 in <sup>2</sup> /day	ASTM E96 Procedure E
Oxygen Transmission	0.100 cc-mm/m <sup>2</sup> -24hr-atm	0.254 cc-mil/100 in <sup>2</sup> -24hr-atm	or 6 cc/m <sup>2</sup> -24hr-atm for the film. ASTM D3985

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	110 %	110 %	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	350	350	Graves, g; ASTM D1004
Film Tensile Strength at Break, MD	186 MPa	27000 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	1.4 % @Temperature 150 °C, Time 1800 sec	1.4 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments
Gloss	200 %	200 %	20°; ASTM D2457
Transmission, Visible	70 %	70 %	% Clarity; ASTM D1746

## Contact Songhan Plastic Technology Co.,Ltd.

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