

## DuPont Teijin Films Mylar® MC2 Polyester Film, 50 Gauge (14 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-50-Gauge-14-m-PVDC-Coated.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-MC2-Polyester-Film-50-Gauge-14-m-PVDC-Coated.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	0.00800 cc-mm/m <sup>2</sup> -24hr-atm	0.0203 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	0.600 g/m <sup>2</sup> /day	0.0386 g/100 in <sup>2</sup> /day	ASTM E96 Procedure E
Oxygen Transmission	0.00210 cc-mm/m <sup>2</sup> -24hr-atm	0.00533 cc-mil/100 in <sup>2</sup> -24hr-atm	or 0.15 cc/m <sup>2</sup> -24hr-atm for the film. ASTM D3985

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	100 %	100 %	ASTM D882
Film Elongation at Break, TD	80 %	80 %	ASTM D882
Modulus of Elasticity	3.45 GPa	500 ksi	(stiffness), ASTM D882
Tear Strength Test	300	300	Graves, g; ASTM D1004
Seal Strength	201 g/25 mm	201 g/in	
Film Tensile Strength at Break, MD	165 MPa	23900 psi	ASTM D882
Film Tensile Strength at Break, TD	193 MPa	28000 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.

## Contact Songhan Plastic Technology Co.,Ltd.

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