

## DuPont Teijin Films Mylar® M33 Polyester Film, 50 Gauge, PVDC Coated

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

### Material Notes:

Data provided by DuPont Packaging Polymers. A transparent polyester packaging film, solvent coated on both sides with a PVDC copolymer. The coating is heat sealable, and is an excellent moisture and oxygen barrier. Used both in unsupported form, or as a component of a lamination, and can be run on both form-fill-seal and overwrap equipment.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-M33-Polyester-Film-50-Gauge-PVDC-Coated.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-M33-Polyester-Film-50-Gauge-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	0.100 cc-mm/m <sup>2</sup> -24hr-atm	0.254 cc-mil/100 in <sup>2</sup> -24hr-atm	ASTM E96 Procedure E
Water Vapor Transmission	8.00 g/m <sup>2</sup> /day	0.515 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 8 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	70 %	70 %	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	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	1.5 % @Temperature 150 °C, Time 1800 sec	1.5 % @Temperature 302 °F, Time 0.500 hour	Film shrinkage in oven.

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003

Optical Properties	Metric	English	Comments <small>02457</small>
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

## Contact Songhan Plastic Technology Co.,Ltd.

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