

DuPont Teijin Films Mylar® OL12 Polyester Packaging Film, 100 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers. Mylar® OL12 (formerly known as XM963A) is a biaxially oriented polyester (OPET) film with an amorphous polyester heat seal layer. It is used as a heat sealable lidding film in packaging refrigerated and frozen foods. Mylar® OL12 is dual ovenable film which provides strong, aggressive seals to polar substrates such as amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OL12 does not seal to polyethylene, polypropylene, or polystyrene. DuPont Teijin Films offers another family of lidding films (RL types) for sealing to these substrates. Mylar® OL12 has higher hot tack and a thicker seal layer than either Mylar® OL or OL2, and can be used in hot fill applications. It is not recommended for applications requiring retort sterilization. Mylar® OL12 lidding films have excellent grease and oil resistance. Heat seals produced with Mylar® OL12 are stronger than with Mylar® OL2 (or OL) and may be difficult to peel without shredding.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-OL12-Polyester-Packaging-Film-100-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	Calculated from nominal thickness and yield
Moisture Vapor Transmission	0.560 cc-mm/m ² -24hr-atm	1.42 cc-mil/100 in ² -24hr-atm	Proc. E; ASTM E96
Oxygen Transmission	2.17 cc-mm/m ² -24hr-atm	5.51 cc-mil/100 in ² -24hr-atm	Tested per ASTM D3985 at 22°C

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	110 %	110 %	ASTM D882
Film Elongation at Break, TD	80 %	80 %	ASTM D882
Secant Modulus	3.79 GPa	550 ksi	Stiffness Modulus; ASTM D882
Tear Strength Test	1.1	1.1	lb Graves; ASTM D1004
Film Tensile Strength at Break, MD	172 MPa	24900 psi	ASTM D882
Film Tensile Strength at Break, TD	241 MPa	35000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

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