DuPont Teijin Films Mylar® OL13 Polyester Packaging Film, 100 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers.Mylar® OL13 (formerly known as XM110) 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® OL13 is dual ovenable film which provides very strong, aggressive seals to polar substrates such as amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OL13 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® OL13 is similar to OL12 but has a thicker seal layer than Mylar® OL12 to give enhanced seal strength. In general, Mylar® OL13 can produce non-peeling, near "lock-up" type seals and is recommended for hot fill applications where non-peeling seals are desired. It can also be used in some "post-pasteurized" (steam sterilization) applications where the pressure balance in the package can be properly controlled (via vacuum or overpressure). Mylar® OL13 lidding films have excellent grease and oil resistance.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-OL13-Polyester-Packaging-Film-100-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	Calculated from nominal thickness and yield
Moisture Vapor Transmission	0.610 cc-mm/m²-24hr-atm	1.55 cc-mil/100 in²-24hr-atm	Proc. E; ASTM E96
Oxygen Transmission	2.36 cc-mm/m²-24hr-atm	5.99 cc-mil/100 in²-24hr-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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