DuPont Teijin Films Mylar® RL33 Polyester Packaging Film, 50 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers.Mylar® RL33 is a biaxially oriented polyester (OPET) film with an ethylene vinyl acetate (EVA) heat seal layer. It is used as a heat sealable lidding film in packaging frozen and refrigerated foods. Mylar® RL33 is designed to seal to a broad range of container substrates including amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, polyvinylchloride (PVC), polyethylene (HDPE), polypropylene (PP), and polystyrene (HIPS). Mylar® RL33 has the same type heat seal layer as Mylar® RL31, but the seal layer is thicker than both Mylar® RL31 and Mylar® RL32. Mylar® RL33 develops stronger seals than Mylar® RL32 to most substrates and tends to produce tearing seals to non-polar substrates under chilled conditions. Mylar® RL33 is recommended when light caulking is needed. Mylar® RL33 has a lower seal initiation temperature than lidding films with an amorphous polyester heat seal layer (e.g., Mylar® OL, OL2). This allows good seals to be made at higher line speeds (or using lower sealing temperatures).

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-RL33-Polyester-Packaging-Film-50-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in³	Calculated from nominal thickness and yield
Moisture Vapor Transmission	0.980 cc-mm/m²-24hr-atm	2.49 cc-mil/100 in²-24hr-atm	Proc. E; ASTM E96
Oxygen Transmission	3.15 cc-mm/m²-24hr-atm	8.00 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	0.70	0.70	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	121 °C	250 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

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