DuPont Teijin Films Mylar® 864 Polyester Packaging Film, 48 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers.Melinex® 864 is a polyester film, chemically treated on two sides. Both sides are designed for printing and extruded polyethylene adhesion. One side is enhanced to promote metal adhesion. Melinex® 864 currently is approved for indirect food contact applications. Melinex® 864 is biaxially oriented, two side treated, polyester film which is compliant with Food and Drug Administration food additive regulation 21CFR 177.1630. It can be used in applications requiring direct food contact with all types of food (excluding alcoholic beverages) at temperatures up to and above 250°F (including oven baking or cooking) and for alcoholic beverages (not to exceed 50% alcohol by volume) at ambient temperatures.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-864-Polyester-Packaging-Film-48-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in³	
Moisture Vapor Transmission	0.660 cc-mm/m²-24hr-atm	1.68 cc-mil/100 in²-24hr-atm	Tested per ASTM F372 at 100°F, 90% RH.
Oxygen Transmission	1.42 cc-mm/m²-24hr-atm	3.61 cc-mil/100 in²-24hr-atm	Tested per ASTM D1434 at 77°F, 75% RH.

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	110 %	110 %	ASTM D882A
Film Elongation at Break, TD	80 %	80 %	ASTM D882A
Coefficient of Friction, Dynamic	0.40	0.40	ASTM D1894
Coefficient of Friction, Static	0.50	0.50	ASTM D1894
Film Tensile Strength at Break, MD	214 MPa	31000 psi	ASTM D882A
Film Tensile Strength at Break, TD	238 MPa	34500 psi	ASTM D882A

Optical Properties	Metric	English	Comments
Haze	3.5 %	3.5 %	Gardner; ASTM D1003
Transmission, Visible	90 %	90 %	ASTM D1003

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