

DuPont Teijin Films Mylar® 822 Polyester Packaging Film, 48 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers. Melinex® 822 is a polyester film that has been chemically pretreated on one side. It is designed for printing and extruded polyethylene adhesion. Melinex® 822 is a biaxially oriented, one side treated polyester film which is compliant with the U.S. Food and Drug Administration food additive regulation 21 CFR 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 percent alcohol by volume) at ambient temperatures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-822-Polyester-Packaging-Film-48-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Moisture Vapor Transmission	0.660 cc-mm/m ² -24hr-atm	1.68 cc-mil/100 in ² -24hr-atm	Tested per ASTM F372 at 100°F, 90% RH.
Oxygen Transmission	1.42 cc-mm/m ² -24hr-atm	3.61 cc-mil/100 in ² -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	70 %	70 %	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	290 MPa	42100 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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