

DuPont Teijin Films Mylar® 800C Polyester Packaging Film, 48 Gauge

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

Material Notes:

Data provided by DuPont Packaging Polymers. Melinex® 800C is a clear, one side corona treated polyester film suitable for flexible packaging, printing and laminations. Melinex® 800C is a polyester film that is compliant with the U.S. Food and Drug Administration regulations under 21 CFR 177.1630, Sections (f), (g), and (h). These sections cover the use of PET in contact with all types of foods (excluding alcoholic beverages) at temperatures up to and above 250°F (including oven baking or cooking) and alcoholic beverages (not to exceed 50 percent by alcohol by volume) at ambient temperatures.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-800C-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	90 %	90 %	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	225 MPa	32600 psi	ASTM D882A
Film Tensile Strength at Break, TD	235 MPa	34100 psi	ASTM D882A

Optical Properties	Metric	English	Comments
Haze	2.8 %	2.8 %	Gardner; ASTM D1003
Transmission, Visible	89 %	89 %	ASTM D1003

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