

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

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

Material Notes:

Data provided by DuPont Packaging Polymers. Melinex® 800 is a clear, non-pretreated base film with high gloss, low haze and excellent processability. Melinex® 800 is available in 48 gauge. Melinex® 800 polyester film is stiffer than polypropylene and also maintains an excellent film thickness profile and roll formation to ensure consistent processability in operations. Melinex® 800 film features good clarity and handling characteristics in metallizing operations. When aluminum metallized, the film exhibits excellent aesthetic quality as well as the best barrier to oxygen and moisture in a flexible film. Melinex® 800 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-800-Polyester-Packaging-Film-48-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	
Moisture Vapor Transmission	0.0120 cc-mm/m ² -24hr-atm	0.0305 cc-mil/100 in ² -24hr-atm	metallized barrier; 2.8 g/100in ² -24hr-atm unmetallized barrier; Tested per ASTM F372 at 100°F, 90% RH.
Oxygen Transmission	0.0200 cc-mm/m ² -24hr-atm	0.0508 cc-mil/100 in ² -24hr-atm	metallized barrier; 6 cc/100in ² -24hr-atm unmetallized barrier; 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	222 MPa	32200 psi	ASTM D882A
Film Tensile Strength at Break, TD	269 MPa	39000 psi	ASTM D882A

Optical Properties	Metric	English	Comments
Haze	3.6 %	3.6 %	Gardner; ASTM D1003
Transmission, Visible	88.5 %	88.5 %	ASTM D1003

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