

## DuPont Teijin Films Mylar® 813 Polyester Packaging Film, 48 Gauge

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

### Material Notes:

Data provided by DuPont Packaging Polymers. Melinex® 813 is a polyester film, pretreated on one side to provide excellent adhesion to a wide range of both solvent- and water-based inks. Melinex® 813 film provides good clarity for reverse printing and allows inks to shine through with high quality. The film's pretreated surface also provides improved adhesion for various coatings and adhesives, often eliminating the need for any type of priming operation. The chemical pretreatment on Melinex® 813 film does not result in a performance or shelf life decline over time, and generally is superior to corona treated film. Melinex® 813 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 packaging film. Melinex® 813 is a polyester base film that is compliant with the U.S. Food and Drug Administration regulations under 21 CFR 177.1630, Sections (f) and (g), which is treated on one side with a coating which also is in compliance with 21 CFR 177.1630. Melinex® 813 may be used for packaging, transporting or holding food (excluding alcoholic beverages) at temperatures not to exceed 250°F; and for packaging, transporting or holding alcoholic beverages that do not exceed 50 percent alcohol by volume.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-813-Polyester-Packaging-Film-48-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-813-Polyester-Packaging-Film-48-Gauge.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	
Moisture Vapor Transmission	0.0120 cc-mm/m <sup>2</sup> -24hr-atm	0.0305 cc-mil/100 in <sup>2</sup> -24hr-atm	metallized barrier; 2.8 g/100in <sup>2</sup> -24hr-atm unmetallized barrier; Tested per ASTM F372 at 100°F, 90% RH.
Oxygen Transmission	0.0200 cc-mm/m <sup>2</sup> -24hr-atm	0.0508 cc-mil/100 in <sup>2</sup> -24hr-atm	metallized barrier; 6 cc/100in <sup>2</sup> -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	215 MPa	31200 psi	ASTM D882A
Film Tensile Strength at Break, TD	290 MPa	42100 psi	ASTM D882A

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

Optical Properties	88.5 % Metric	88.5 % English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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