

DuPont Teijin Films Mylar® 834 Polyester Film, 48 Gauge

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

Material Notes:

Mylar® 834 is a packaging grade polyester film, chemically pretreated on one side for controlled COF and release. Approvals: FDA Food Contact Status - All gauges of Mylar® 834 comply with the Food and Drug Administration regulation 21 CFR 177.1630 -- Polyethylene phthalate polymers. This regulation describes films which may be safely used in contact with all types of food excluding alcoholic beverages. Mylar® 834 can be used to contain foods during oven cooking or oven baking at temperatures above 250°F. Information provided by DuPont.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-834-Polyester-Film-48-Gauge.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	

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, Static	0.30	0.30	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

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.17 J/g-°C	0.280 BTU/lb-°F	Typical Mylar®
Melting Point	254 °C	489 °F	Typical Mylar® via DSC
Maximum Service Temperature, Air	121 °C	250 °F	

Optical Properties	Metric	English	Comments
Refractive Index	1.64 - 1.67	1.64 - 1.67	typical of Mylar®
Haze	3.6 %	3.6 %	ASTM D1003

Descriptive Properties	Value	Comments
Yield (nominal)	42200 in ² /lb	

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