

Honeywell Capran® Emblem™ 2530 Bi-Axially Oriented Nylon Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Nylon

Material Notes:

Description: Capran® Emblem™ 2530 is a bi-axially oriented nylon film. It is a versatile and robust film that satisfies many packaging needs, and has superior resistance to oils, fats, hydrocarbons, and many solvents. It is also microwavable, making it an excellent choice for lidding stock. Applications: bag-on-box packaging, packaging for processed meats, cheese, meat snacks, coffee bricks, coffee bags, and pet food, agricultural bags, stand-up shampoo pouches, book covers and metallized balloons. Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Capran-Emblem-2530-Bi-Axially-Oriented-Nylon-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0440 lb/in ³	Yield Density
Water Vapor Transmission	9.31 - 12.42 g/m ² /day	0.600 - 0.7998 g/100 in ² /day	100°F / 100%RH); ASTM F1249
Oxygen Transmission Rate	7.76 - 13.97 cc/m ² /day	0.500 - 0.8997 cc/100 in ² /day	77°F / 0% / RH; ASTM D3985
Thickness	28.4 microns	1.12 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	70 - 110 %	70 - 110 %	ASTM D882
Film Elongation at Break, TD	60 - 90 %	60 - 90 %	ASTM D882
Secant Modulus, MD	2.41 - 3.55 GPa	350 - 515 ksi	ASTM D882
Secant Modulus, TD	2.275 - 3.28 GPa	330.0 - 476 ksi	ASTM D882
Coefficient of Friction	0.21 - 0.41	0.21 - 0.41	film to stainless steel; ASTM D1894
	0.65 - 0.86	0.65 - 0.86	film to film; ASTM D1894
Tear Strength Test	1150 - 1475	1150 - 1475	graves tear, grams/mil (initial); ASTM D1004
Elmendorf Tear Strength, MD	0.5272 - 0.6677 g/micron	13.39 - 16.96 g/mil	
Film Tensile Strength at Break, MD	207 - 290 MPa	30000 - 42000 psi	ASTM D882
Film Tensile Strength at Break, TD	221 - 283 MPa	32000 - 41000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.6 - 2.3 %	1.6 - 2.3 %	320°F / 160°C - 5 minutes; ASTM

Thermal Properties	Metric	English	D1204 Comments
Shrinkage, TD	0.20 - 0.70 %	0.20 - 0.70 %	320°F / 160°C - 5 minutes; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	<= 5.0 %	<= 5.0 %	ASTM D1003
Gloss	75 - 85 %	75 - 85 %	at 20°

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