

Honeywell Capran® Emblem,ç 1200 Bi-Axially Oriented Nylon Film

Category : Polymer , Film , Thermoplastic , Nylon

Material Notes:

Description: Capran® Emblem,ç 1200 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-1200-Bi-Axially-Oriented-Nylon-Film.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0420 lb/in ³	Yield Density
Water Vapor Transmission	357 - 404 g/m ² /day	23.0 - 26.0 g/100 in ² /day	100°F / 100%RH); ASTM F1249
Oxygen Transmission Rate	54.32 - 69.84 cc/m ² /day	3.498 - 4.498 cc/100 in ² /day	77°F / 0% / RH; ASTM D3985
Thickness	12.2 microns	0.480 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	60 - 90 %	60 - 90 %	ASTM D882
Film Elongation at Break, TD	60 - 90 %	60 - 90 %	ASTM D882
Secant Modulus, MD	2.41 - 3.92 GPa	350 - 569 ksi	ASTM D882
Secant Modulus, TD	2.48 - 3.59 GPa	360 - 521 ksi	ASTM D882
Coefficient of Friction	0.17 - 0.28	0.17 - 0.28	film to stainless steel; ASTM D1894
	0.55 - 0.74	0.55 - 0.74	film to film; ASTM D1894
Tear Strength Test	1100 - 1500	1100 - 1500	graves tear, grams/mil (initial); ASTM D1004
Elmendorf Tear Strength, MD	0.4102 - 0.6563 g/micron	10.42 - 16.67 g/mil	
Film Tensile Strength at Break, MD	234 - 303 MPa	34000 - 44000 psi	ASTM D882
Film Tensile Strength at Break, TD	193 - 303 MPa	28000 - 44000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.6 - 2.5 %	1.6 - 2.5 %	320°F / 160°C - 5 minutes; ASTM D1204

Thermal Properties	Metric 1.70 %	English 70 %	Comments 230Å°F / 160Å°C - 5 minutes; ASTM D1204
Optical Properties	Metric	English	Comments
Haze	<= 3.0 %	<= 3.0 %	ASTM D1003
Gloss	160 - 180 %	160 - 180 %	at 20Å°

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China