

## Honeywell Capran® Emblem,ç 2500 Bi-Axially Oriented Nylon Film

Category : Polymer , Film , Thermoplastic , Nylon

### Material Notes:

Description: Capran® Emblem,ç 2500 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-2500-Bi-Axially-Oriented-Nylon-Film.php](http://www.lookpolymers.com/polymer_Honeywell-Capran-Emblem-2500-Bi-Axially-Oriented-Nylon-Film.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0420 lb/in <sup>3</sup>	Yield Density
Water Vapor Transmission	171 - 202 g/m <sup>2</sup> /day	11.0 - 13.0 g/100 in <sup>2</sup> /day	100°F / 100%RH); ASTM F1249
Oxygen Transmission Rate	20.18 - 35.7 cc/m <sup>2</sup> /day	1.300 - 2.30 cc/100 in <sup>2</sup> /day	77°F / 0% / RH; ASTM D3985
Thickness	25.4 microns	1.00 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	1100 - 1400	1100 - 1400	graves tear, grams/mil (initial); ASTM D1004
Elmendorf Tear Strength, MD	0.591 - 0.748 g/micron	15.0 - 19.0 g/mil	
Film Tensile Strength at Break, MD	234 - 283 MPa	34000 - 41000 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 D1204

Shrinkage TD Thermal Properties	0.20 - 0.70 % Metric	0.20 - 0.70 % English	320Å°F / 160Å°C - 5 minutes; ASTM D1120Å
Optical Properties	Metric	English	Comments
Haze	<= 3.4 %	<= 3.4 %	ASTM D1003
Gloss	90 - 140 %	90 - 140 %	at 20Å°

## Contact Songhan Plastic Technology Co.,Ltd.

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