

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

Category : Polymer , Film , Thermoplastic , Nylon

### Material Notes:

Description: Capran® Emblem,ç 2500M 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. Capran® Emblem,ç 2500M has a polymeric coating that enhances adhesion to a variety of printing inks, coatings, and adhesives. 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. Capran® Emblem,ç 2500M is also excellent for metallization processes. Information provided by Honeywell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Honeywell-Capran-Emblem-2500M-M-Coated-Bi-Axially-Oriented-Nylon-Film.php](http://www.lookpolymers.com/polymer_Honeywell-Capran-Emblem-2500M-M-Coated-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	18.62 - 35.7 cc/m <sup>2</sup> /day	1.199 - 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	2.41 - 3.28 GPa	350 - 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 - 1500	1100 - 1500	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	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 %	320Â°F / 160Â°C - 5 minutes; ASTM D1204
Shrinkage, TD	0.20 - 0.70 %	0.20 - 0.70 %	320Â°F / 160Â°C - 5 minutes; ASTM D1204

Optical Properties	Metric	English	Comments
Haze	<= 3.4 %	<= 3.4 %	ASTM D1003
Gloss	90 - 140 %	90 - 140 %	at 20Â°

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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