

## Honeywell Capran® Emblem™ 1530 PVDC-Coated Bi-Axially Oriented Nylon Film (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Nylon

### Material Notes:

Capran® Emblem™ 1530 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. 1530 is a PVDC-Coated product, providing improved moisture and oxygen barrier while retaining superior clarity. 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-1530-PVDC-Coated-Bi-Axially-Oriented-Nylon-Film-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_Honeywell-Capran-Emblem-1530-PVDC-Coated-Bi-Axially-Oriented-Nylon-Film-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0450 lb/in <sup>3</sup>	Yield Density
Water Vapor Transmission	9.31 - 12.42 g/m <sup>2</sup> /day	0.600 - 0.7998 g/100 in <sup>2</sup> /day	100°F / 100%RH); ASTM F1249
Oxygen Transmission Rate	9.31 - 13.97 cc/m <sup>2</sup> /day	0.600 - 0.8997 cc/100 in <sup>2</sup> /day	77°F / 0% / RH; ASTM D3985
Thickness	18.3 microns	0.720 mil	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	60 - 110 %	60 - 110 %	ASTM D882
Film Elongation at Break, TD	60 - 110 %	60 - 110 %	ASTM D882
Secant Modulus, MD	2.41 - 3.52 GPa	350 - 511 ksi	ASTM D882
Secant Modulus, TD	2.275 - 3.45 GPa	330.0 - 500 ksi	ASTM D882
Coefficient of Friction	0.18 - 0.27	0.18 - 0.27	film to stainless steel; ASTM D1894
	0.59 - 0.90	0.59 - 0.90	film to film; ASTM D1894
Tear Strength Test	1100 - 1500	1100 - 1500	graves tear, grams/mil (initial); ASTM D1004
Elmendorf Tear Strength, MD	0.4374 - 0.6016 g/micron	11.11 - 15.28 g/mil	
Film Tensile Strength at Break, MD	221 - 303 MPa	32000 - 44000 psi	ASTM D882
Film Tensile Strength at Break, TD	200 - 283 MPa	29000 - 41000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Shrinkage, MD	1.4 - 2.4 %	1.4 - 2.4 %	320°F / 160°C - 5 minutes; ASTM D1204
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°

## Contact Songhan Plastic Technology Co.,Ltd.

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