

Honeywell Stretch-Vac® Elastomax 1000 Heat-Stabilized Blown Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Nylon

Material Notes:

Description: Capran® Elastomax 1000 is a pink tinted, heat-stabilized blown film produced from modified nylon resin. It is available in widths up to 80 inches as layflat tubing and 120 inches as slit tubing. Thickness is 2.00 mils. In addition, it has excellent heat stability and resistance to pinholing. It can be used at temperatures up to 400°F (204°C) for typical composite cure cycle times. Applications: Capran® Elastomax 1000 blown film is recommended as bagging film for advanced composite fabrication and other high temperature applications where softness, workability or anti-static characteristics are essential. Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Stretch-Vac-Elastomax-1000-Heat-Stabilized-Blown-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.38 g/cc	0.0860 lb/in ³	Yield Density
Thickness	25.4 microns	1.00 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	32.4 MPa	4700 psi	ASTM D882
Film Tensile Strength at Yield, TD	28.3 MPa	4100 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	400 %	400 %	ASTM D882
Secant Modulus, MD	0.469 GPa	68.0 ksi	ASTM D882
Secant Modulus, TD	0.476 GPa	69.0 ksi	ASTM D882
Tear Strength Test	530	530	graves tear MD, grams/mil; ASTM D1004
	600	600	graves tear TD, grams/mil; ASTM D1004
Elmendorf Tear Strength, MD	3.74 g/micron	95.0 g/mil	
Elmendorf Tear Strength, TD	3.74 g/micron	95.0 g/mil	ASTM D1922
Film Tensile Strength at Break, MD	100 MPa	14500 psi	ASTM D882
Film Tensile Strength at Break, TD	75.8 MPa	11000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	211 °C	412 °F	crystalline melting point; DSC

Thermal Properties	Metric	English	Comments
Shrinkage, TD	<= 1.0 %	<= 1.0 %	350°F / 177°C - 10 min.; ASTM D1204

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