

Honeywell Capran® 512 LL Heat Stabilized Nylon Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Film Grade

Material Notes:

Description: Capran® 512 LL is a heat-stabilized blown film produced from low lactam nylon-6 resin. It is recommended as bagging film for advanced composite fabrication and other high temperature applications where softness and workability are essential. Capran® 512 LL has excellent heat stability and resistance to pinholing. It can be used at temperatures up to 390°F (199°C) for typical composite cure cycle times. Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Capran-512-LL-Heat-Stabilized-Nylon-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0410 lb/in ³	Yield Density
Thickness	50.8 microns	2.00 mil	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	112 MPa	16200 psi	ASTM D882
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D882
Elongation at Break	375 %	375 %	ASTM D882
Secant Modulus, MD	0.517 GPa	75.0 ksi	ASTM D882
Tear Strength Test	65	65	grams/mil; ASTM D1922

Thermal Properties	Metric	English	Comments
Melting Point	218 - 220 °C	424 - 428 °F	crystalline melting point; Hot Stage Microscope
Shrinkage	<= 2.00 % @Temperature 149 °C, Time 1800 sec	<= 2.00 % @Temperature 300 °F, Time 0.500 hour	ASTM D1204

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