

Honeywell Capran® NyLid™ WMB 250 Nylon Lidding Film (discontinued **)

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Alcohol (EVOH) , Nylon

Material Notes:

Description: Capran® NyLid™ WMB 250 is a 2.5 mil, white medium barrier nylon co-extruded film with an EVOH core. Applications: Capran® NyLid™ WMB 250 is suitable for die cutting, readily accepts printing, accepts heat seal coatings and lacquers, offers excellent puncture resistance, is safe for microwave use, and resists tear propagation. It is ideally suited for lamination, and is FDA compliant for indirect food contact. Information provided by Honeywell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Honeywell-Capran-NyLid-WMB-250-Nylon-Lidding-Film-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0420 lb/in ³	Yield Density
Water Vapor Transmission	147.3 g/m ² /day	9.486 g/100 in ² /day	100°F (37.8°C) / 100%RH; ASTM F1249
Oxygen Transmission Rate	0.870 cc/m ² /day	0.0560 cc/100 in ² /day	ASTM D3985
Thickness	63.5 microns	2.50 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	35.16 MPa	5099 psi	ASTM D882
Film Tensile Strength at Yield, TD	36.70 MPa	5323 psi	ASTM D882
Film Elongation at Break, MD	390 %	390 %	ASTM D882
Film Elongation at Break, TD	390 %	390 %	ASTM D882
Secant Modulus, MD	1.023 GPa	148.4 ksi	ASTM D882
Secant Modulus, TD	1.022 GPa	148.2 ksi	ASTM D882
Coefficient of Friction	0.20	0.20	film to stainless steel; ASTM D1894
	0.50	0.50	film to film; ASTM D184
Tear Strength Test	540	540	graves tear MD, initial, grams/mil; ASTM D1004
	540	540	graves tear TD, initial, grams/mil; ASTM D1004
Elmendorf Tear Strength, MD	6.93 g/micron	176 g/mil	
Elmendorf Tear Strength, TD	6.93 g/micron	176 g/mil	propagated; ASTM D1922
Film Tensile Strength at Break, MD	99.774 MPa	14471 psi	ASTM D882

Film Tensile Strength at Break, TD Mechanical Properties	98.471 MPa Metric	14282 psi English	ASTM D882 Comments
Thermal Properties	Metric	English	Comments
Shrinkage, MD	<= -1.60 %	<= -1.60 %	350°F / 177°C - 10 min.; ASTM D1204
Shrinkage, TD	<= -1.00 %	<= -1.00 %	350°F / 177°C - 10 min.; ASTM D1204
Optical Properties	Metric	English	Comments
Gloss	80 %	80 %	at 60°; ASTM D2457

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