

Honeywell Capran® NyLid™ WMB 175 Nylon Lidding Film (discontinued **)

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

Material Notes:

Description: Capran® NyLid™ WMB 175 is a 1.75 mil, white medium barrier nylon co-extruded film with an EVOH core. Applications: Capran® NyLid™ WMB 175 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-175-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	217.1 g/m ² /day	13.98 g/100 in ² /day	100°F (37.8°C) / 100%RH; ASTM F1249
Oxygen Transmission Rate	1.40 cc/m ² /day	0.0902 cc/100 in ² /day	ASTM D3985
Thickness	44.5 microns	1.75 mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	34.5 MPa	5000 psi	ASTM D882
Film Tensile Strength at Yield, TD	34.5 MPa	5000 psi	ASTM D882
Film Elongation at Break, MD	360 %	360 %	ASTM D882
Film Elongation at Break, TD	370 %	370 %	ASTM D882
Secant Modulus, MD	1.027 GPa	149.0 ksi	ASTM D882
Secant Modulus, TD	0.9997 GPa	145.0 ksi	ASTM D882
Coefficient of Friction	0.21	0.21	film to stainless steel; ASTM D1894
	0.40	0.40	film to film; ASTM D184
Tear Strength Test	520	520	graves tear MD, initial, grams/mil; ASTM D1004
	520	520	graves tear TD, initial, grams/mil; ASTM D1004
Elmendorf Tear Strength, MD	4.500 g/micron	114.3 g/mil	
Elmendorf Tear Strength, TD	6.7492 g/micron	171.43 g/mil	propagated; ASTM D1922
Film Tensile Strength at Break, MD	101 MPa	14700 psi	ASTM D882

Film Tensile Strength at Break, TD Mechanical Properties	89.6 MPa Metric	13000 psi English	ASTM D882 Comments
---	--------------------	----------------------	-----------------------

Thermal Properties	Metric	English	Comments
Shrinkage, MD	-3.20 %	-3.20 %	350°F / 177°C - 10 min.; ASTM D1204
Shrinkage, TD	>= -0.600 %	>= -0.600 %	350°F / 177°C - 10 min.; ASTM D1204

Optical Properties	Metric	English	Comments
Gloss	80 %	80 %	at 60°; ASTM D2457

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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