

NOVA Chemicals Novapol® LF-0323-B LDPE Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Film Properties. Features: General purpose clarity, good heat sealing latitude, easy processability, good drawdown. Applications: Bakery bags, sandwich bags, zipper lock bags, cast film. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LF-0323-B-LDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D792
Thickness	38.1 microns	1.50 mil	
Melt Flow	3.2 g/10 min @Load 2.16 kg, Temperature 190 °C	3.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.0 MPa	1450 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	400 %	400 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Secant Modulus, MD	0.165 GPa	23.9 ksi	ASTM D882
Secant Modulus, TD	0.180 GPa	26.1 ksi	ASTM D882
Coefficient of Friction	<= 0.30	<= 0.30	ASTM D1894
Elmendorf Tear Strength, MD	6.10 g/micron	155 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.10 g/micron	155 g/mil	ASTM D1922
Dart Drop	2.40 g/micron	61.0 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	20.0 MPa	2900 psi	ASTM D882
Film Tensile Strength at Break, TD	18.0 MPa	2610 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	8.0 % @Thickness 0.0250 mm	8.0 % @Thickness 0.000984 in	ASTM D1003

Optical Properties	Metric	English	Comments
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95.1 TMM, ASTM D1894

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 190 °C	338 - 374 °F	

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