

## NOVA Chemicals Novapol® PF-Y821-B Butene LLDPE Film Resin (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

### Material Notes:

Film Properties. Features: Good stiffness and machinability, good clarity with LDPE. Applications: General purpose packaging, liners. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-PF-Y821-B-Butene-LLDPE-Film-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-PF-Y821-B-Butene-LLDPE-Film-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D792
Thickness	38.1 microns	1.50 mil	
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	550 %	550 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Secant Modulus, MD	0.200 GPa	29.0 ksi	ASTM D882
Secant Modulus, TD	0.230 GPa	33.4 ksi	ASTM D882
Coefficient of Friction	<= 0.25	<= 0.25	ASTM D1894
Elmendorf Tear Strength, MD	3.30 g/micron	83.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	13.8 g/micron	351 g/mil	ASTM D1922
Dart Drop	3.50 g/micron	88.9 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D882
Film Tensile Strength at Break, TD	27.0 MPa	3920 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	ASTM D1003

Optical Properties	@Thickness 0.0250 Metric	@Thickness 0.000984 English	Comments
Gloss	50 %	50 %	45°; 1 mil; ASTM D1894

Processing Properties	Metric	English	Comments
Melt Temperature	195 - 220 °C	383 - 428 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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