

## NOVA Chemicals Novapol® LF-0218-AF LDPE Extrusion Resin (discontinued \*\*)

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

### Material Notes:

Film Properties. Features: Good heat sealing latitude, moderate toughness, easy processability. Applications: Specifically designed for foam process, blends with LLDPE. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-LF-0218-AF-LDPE-Extrusion-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LF-0218-AF-LDPE-Extrusion-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.9185 g/cc	0.03318 lb/in <sup>3</sup>	ASTM D792
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 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	9.00 MPa	1310 psi	ASTM D882
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Secant Modulus, MD	0.150 GPa	21.8 ksi	ASTM D882
Secant Modulus, TD	0.175 GPa	25.4 ksi	ASTM D882
Coefficient of Friction	>= 0.60	>= 0.60	ASTM D1894
Elmendorf Tear Strength, MD	5.90 g/micron	150 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	3.90 g/micron	99.1 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	18.0 MPa	2610 psi	ASTM D882
Film Tensile Strength at Break, TD	16.0 MPa	2320 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	40 %	40 %	45°; 1 mil; ASTM D1894

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

## Contact Songhan Plastic Technology Co.,Ltd.

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