

## NOVA Chemicals Novapol® LF-0718-A LDPE Film Resin

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

### Material Notes:

Improves gloss and reduces haze in blends with LLDPE, Improves melt strength and increases output in blends with LLDPE Applications:

Blends with LLDPE Additives: Base resin Film properties are typical of blown film extruded at a blowup ratio of 2.5:1, but are dependent upon operating conditions. Information provided by NOVA Chemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NOVA-Chemicals-Novapol-LF-0718-A-LDPE-Film-Resin.php](http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-LF-0718-A-LDPE-Film-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D792
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 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	10.0 MPa	1450 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Secant Modulus, MD	0.180 GPa	26.1 ksi	at 1%; ASTM D882
Secant Modulus, TD	0.200 GPa	29.0 ksi	at 1%; ASTM D882
Impact	50	50	J/mm; NOVA Chemicals Puncture test
Coefficient of Friction	<= 0.20	<= 0.20	ASTM D1894
Elmendorf Tear Strength, MD	3.90 g/micron	99.1 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	11.8 g/micron	300 g/mil	ASTM D1922
Dart Drop	3.70 g/micron	94.0 g/mil	F<sub>50</sub>, ASTM D1709/A
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	ASTM D882
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003

Optical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Blow Up Ratio		2:1 to 3:1	

## Contact Songhan Plastic Technology Co.,Ltd.

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