

NOVA Chemicals Novapol® TF-0119-FP Hexene LLDPE Film Resin (discontinued **)

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

Material Notes:

Film Properties. Features: High strength and toughness, low gel count, intended for narrow die gaps.Applications: Stretch wrap, blend resin.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TF-0119-FP-Hexene-LLDPE-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D792
Thickness	38.1 microns	1.50 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 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	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Secant Modulus, MD	0.170 GPa	24.7 ksi	ASTM D882
Secant Modulus, TD	0.190 GPa	27.6 ksi	ASTM D882
Coefficient of Friction	>= 0.60	>= 0.60	ASTM D1894
Elmendorf Tear Strength, MD	11.8 g/micron	300 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	25.5 g/micron	648 g/mil	ASTM D1922
Dart Drop	7.00 g/micron	178 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	37.0 MPa	5370 psi	ASTM D882
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	13 %	13 %	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	195 - 220 °C	383 - 428 °F	

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