

NOVA Chemicals Novapol® TF-Y534-IP Hexene LLDPE Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Film Grade

Material Notes:

Film Properties. Features: Excellent stiffness, excellent puncture, high strength and toughness. Applications: Industrial packaging, overwrap, narrow die gap extrusion. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TF-Y534-IP-Hexene-LLDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ASTM D792
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.75 g/10 min @Load 2.16 kg, Temperature 190 °C	0.75 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	ASTM D882
Film Tensile Strength at Yield, TD	17.0 MPa	2470 psi	ASTM D882
Film Elongation at Break, MD	520 %	520 %	ASTM D882
Film Elongation at Break, TD	760 %	760 %	ASTM D882
Secant Modulus, MD	0.350 GPa	50.8 ksi	ASTM D882
Secant Modulus, TD	0.410 GPa	59.5 ksi	ASTM D882
Coefficient of Friction	0.38	0.38	ASTM D1894
Elmendorf Tear Strength, MD	2.00 g/micron	50.8 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.0 g/micron	533 g/mil	ASTM D1922
Dart Drop	2.80 g/micron	71.1 g/mil	F 50; ASTM D1709/A
Film Tensile Strength at Break, MD	44.0 MPa	6380 psi	ASTM D882
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	9.0 % @Thickness 0.0250 mm	9.0 % @Thickness 0.000984 in	ASTM D1003

Optical Properties	Metric	English	Comments
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