

NOVA Chemicals Novapol® TF-0438-E Hexene LMDPE Film Resin

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

Material Notes:

TF-0438-E complies with the U.S. FDA specifications for olefin polymers and may be used in the U.S. as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability. It is also biologically and chemically inert. The NOVA Chemicals Material Safety Data Sheet contains important safety information and should be reviewed before using the product. Features: Excellent stiffness and gloss Additives: High temperature AO Applications: Blending, Co-extruded films Film properties are Typical of cast film extruded at 280°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_NOVA-Chemicals-Novapol-TF-0438-E-Hexene-LMDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D 792
Thickness	20.0 microns	0.787 mil	
Melt Flow	4.2 g/10 min @Load 2.16 kg, Temperature 190 °C	4.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	ASTM D 882
Film Tensile Strength at Yield, TD	15.0 MPa	2180 psi	ASTM D 882
Film Elongation at Break, MD	600 %	600 %	ASTM D 882
Film Elongation at Break, TD	900 %	900 %	ASTM D 882
Elmendorf Tear Strength MD	19 g	19 g	ASTM D 1922
Elmendorf Tear Strength TD	320 g	320 g	ASTM D 1922
Elmendorf Tear Strength, MD	0.950 g/micron	24.1 g/mil	ASTM D 1922
Elmendorf Tear Strength, TD	16.0 g/micron	406 g/mil	ASTM D 1922
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D 882
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ASTM D 882
1% Secant Modulus, MD	340 MPa	49300 psi	ASTM D 882
1% Secant Modulus, TD	430 MPa	62400 psi	ASTM D 882

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Optical Properties	Metric	English	Comments
Gloss	88 %	88 %	45°; ASTM D 2457

Descriptive Properties	Value	Comments
Low Friction Puncture	3 (ft-lb/mil)	NOVA Chemicals test method

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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