

Lotte Chemical Titan TITANEX® LF1054 Linear low density polyethylene Hexene-1 resin (discontinued **)

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

Material Notes:

LF1054 is a pelleted linear low density polyethylene Hexene-1 resin formulated with antioxidant. This product is used for blown film extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Heavy duty shipping sacks, rice bags, ice bags, produce bags, stretch film, multilayer film and blends. Advantages: Outstanding puncture strength, impact strength and tear strength. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LF1054-Linear-low-density-polyethylene-Hexene-1-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	extruded at 2:1 BUR
Base Resin Melt Index	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Elmendorf Tear Strength, MD	18.0 g/micron	457 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	29.0 g/micron	737 g/mil	ASTM D1922
Dart Drop	8.00 g/micron	203 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	49.0 MPa	7110 psi	ASTM D882
Film Tensile Strength at Break, TD	36.3 MPa	5260 psi	ASTM D882
1% Secant Modulus, MD	196.14 MPa	28447 psi	ASTM D882
1% Secant Modulus, TD	225.56 MPa	32714 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	60 %	60 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	180 - 200 °C Metric	356 - 392 °F English	Comments
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	

Contact Songhan Plastic Technology Co.,Ltd.

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