

Lotte Chemical Titan TITANEX® LF2554 Linear low density polyethylene Hexene-1 resin (discontinued **)

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

Material Notes:

LF2554 is a pelleted linear low density polyethylene Hexene-1 resin formulated with antioxidant. This product is used for slot cast extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Stretch film, high quality packaging film, cast film, diaper film, multilayer film. Advantages: High clarity, high tensile strength, outstanding drawdown capability, good balance of stiffness and puncture resistance. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LF2554-Linear-low-density-polyethylene-Hexene-1-resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	slot cast film at 280°C
Base Resin Melt Index	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
1% Secant Modulus	225.56 MPa	32714 psi	Base Resin; ASTM D638
Dart Drop	4.00 g/micron	102 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	36.3 MPa	5260 psi	ASTM D882
Film Tensile Strength at Break, TD	26.5 MPa	3840 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.6 %	1.6 %	ASTM D1003
Gloss	90 %	90 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 280 °C	392 - 536 °F	

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