

Lotte Chemical Titan TITANEX® LF1044 Linear low density polyethylene resin (discontinued **)

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

Material Notes:

LF1044 is a pelleted linear low density polyethylene resin formulated with antioxidant. This product is used for blown film extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Rice bags, stretch film, food bags, blend. 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-LF1044-Linear-low-density-polyethylene-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	550 %	550 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Elmendorf Tear Strength, MD	7.00 g/micron	178 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	15.0 g/micron	381 g/mil	ASTM D1922
Dart Drop	4.00 g/micron	102 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	40.2 MPa	5830 psi	ASTM D882
Film Tensile Strength at Break, TD	30.4 MPa	4410 psi	ASTM D882
1% Secant Modulus, MD	166.7 MPa	24180 psi	ASTM D882
1% Secant Modulus, TD	196.14 MPa	28447 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 200 °C	356 - 392 °F	

Processing Properties	Metric	English	Comments
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