

Lotte Chemical Titan TITANEX® LF1041 Linear low density polyethylene resin (discontinued **)

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

Material Notes:

LF1041 is a pelleted linear low density polyethylene resin formulated with antioxidant, high antiblock and slip agent. This product is used for blown film extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Thin film, agriculture film, ice bags, heavy duty bags, industrial packaging, liners. 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-LF1041-Linear-low-density-polyethylene-resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.922 g/cc	0.0333 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	18.0 g/micron	457 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	17 %	17 %	ASTM D1003
Gloss	50 %	50 %	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	

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