

Lotte Chemical Titan TITANEX® LF2024 Linear low density polyethylene resin (discontinued **)

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

Material Notes:

LF2024 is a pelleted linear low density polyethylene resin formulated with antioxidant. This product is used for blown and cast film extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Blend, liners, stretch film, cast film, diaper film. Advantages: Outstanding toughness, high tensile strength and good puncture resistance. Information provided by Titan Chemicals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LF2024-Linear-low-density-polyethylene-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	extruded at 2:1 BUR
Base Resin Melt Index	2.4 g/10 min	2.4 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	7.00 g/micron	178 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.0 g/micron	432 g/mil	ASTM D1922
Dart Drop	3.50 g/micron	88.9 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	34.3 MPa	4970 psi	ASTM D882
Film Tensile Strength at Break, TD	24.5 MPa	3550 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	13 %	13 %	ASTM D1003
Gloss	30 %	30 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 200 °C	320 - 392 °F	Blown film

Processing Properties	Metric ^{280, 280 °C}	English ^{280, 536 °F}	Comments
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	Blown film

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