

## Lotte Chemical Titan TITANEX® LF2021 Linear low density polyethylene resin (discontinued \*\*)

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

### Material Notes:

LF2021 is a pelleted linear low density polyethylene resin formulated with antioxidant, high antiblock and slip agent. This product is used for blown and cast film extrusion which offers outstanding toughness, extrudability and draw down ability. Applications: Thin film, garment bags, industrial and consumer packaging, liners. 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-LF2021-Linear-low-density-polyethylene-resin-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LF2021-Linear-low-density-polyethylene-resin-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D1505
Thickness	25.0 microns	0.984 mil	extruded at 2:1 BUR
Base Resin Melt Index	2.0 g/10 min	2.0 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	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	20 %	20 %	ASTM D1003
Gloss	25 %	25 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	160 - 200 °C Metric	320 - 392 °F English	Comments
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China