

## Lotte Chemical Titan TITANEX® LI5011 Linear low density polyethylene resin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

### Material Notes:

LI5011 is a pelleted high flow linear low density polyethylene. The higher melting point of the resin allows for higher end-use temperatures. Applications: House-wares, toys, lids, containers. Advantages: Outstanding stress crack resistance, excellent low temperature toughness, excellent mold ability, superior gloss and low odor. Information provided by Titan Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANEX-LI5011-Linear-low-density-polyethylene-resin-nbspdiscontinued.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANEX-LI5011-Linear-low-density-polyethylene-resin-nbspdiscontinued.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.926 g/cc	0.0335 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	4.0 hour @ Thickness 3.80 mm, Temperature 50.0 °C	4.0 hour @ Thickness 0.150 in, Temperature 122 °F	non slit; ASTM D1693
Base Resin Melt Index	50 g/10 min	50 g/10 min	I<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	13.7 MPa	1990 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
1% Secant Modulus	343.23 MPa	49782 psi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	88.0 °C	190 °F	resin; ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 220 °C	338 - 428 °F	
Mold Temperature	10.0 - 40.0 °C	50.0 - 104 °F	

## 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