

## Lotte Chemical Titan TITANCEED® mL2764 Linear low density polyethylene resin (discontinued \*\*)

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

### Material Notes:

Titanceed® mL2764 is a pelleted metallocene linear low density polyethylene resin formulated with antioxidant. Films made from Titanceed® mL2764 have outstanding tensile properties, impact strength and puncture toughness. These superior properties along with excellent draw ability makes this a very versatile resin for both monolayer and multilayer stretch film. Applications: Cast film, and stretch film. Advantages: Superior strength and excellent draw ability. Information provided by Titan Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANCEED-mL2764-Linear-low-density-polyethylene-resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANCEED-mL2764-Linear-low-density-polyethylene-resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	20.0 microns	0.787 mil	extruded at 750ft/min take off speed and melt temperature of 274-302°C
Base Resin Melt Index	2.7 g/10 min	2.7 g/10 min	I<sub>2</sub>; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	720 %	720 %	ASTM D882
Elmendorf Tear Strength, MD	9.00 g/micron	229 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	21.0 g/micron	533 g/mil	ASTM D1922
Dart Drop	8.50 g/micron	216 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	73.5 MPa	10700 psi	ASTM D882
Film Tensile Strength at Break, TD	50.0 MPa	7250 psi	ASTM D882
1% Secant Modulus, MD	117.68 MPa	17068 psi	ASTM D882
1% Secant Modulus, TD	137.30 MPa	19913 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.8 %	1.8 %	ASTM D1003
Gloss	91 %	91 %	45°; ASTM D2457

Processing Properties	Metric	English	Comments
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Melt Temperature	750 - 310 °C	482 - 590 °F	
Processing Properties	Metric	English	Comments

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