

## Lotte Chemical Titan TITANLENE<sup>®</sup> LDF265YZ Low density polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Extrusion Grade

### Material Notes:

LDF265YZ is a low density polyethylene resin for film extrusion. LDF265YZ has no slip and anti-block additives. LDF265YZ meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2. Applications: Heavy duty sacks Shrink film Construction film Additives: Barefoot Advantages: Excellent mechanical properties Good process ability Information provided by Titan Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANLENE-LDF265YZ-Low-density-polyethylene.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANLENE-LDF265YZ-Low-density-polyethylene.php)

Physical Properties	Metric	English	Comments
Base Resin Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D1505
Thickness	150 microns	5.91 mil	extruded at 1.5:1 BUR
Base Resin Melt Index	0.33 g/10 min	0.33 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	250 %	250 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Dart Drop	11.0 g/micron	279 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	78.5 MPa	11400 psi	ASTM D882
Film Tensile Strength at Break, TD	53.9 MPa	7820 psi	ASTM D882
1% Secant Modulus, MD	1275.5 MPa	185000 psi	ASTM D882
1% Secant Modulus, TD	1179.0 MPa	171000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	97.0 Å°C	207 Å°F	resin; ASTM D1525

Processing Properties	Metric	English	Comments
Melt Temperature	160 - 190 Å°C	320 - 374 Å°F	
Blow-up Ratio (BUR)	1.5	1.5	

Descriptive Properties	Value	Comments
Trouser tear, MD g/micron	9	ASTM D1938

Trouser tear TD of/micron  
Descriptive Properties

8.5  
Value

ASTM D1938  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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