

## Lotte Chemical Titan TITANLENE® LDF200YZ Low density polyethylene

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

### Material Notes:

LDF200YZ is a low density polyethylene resin for film extrusion. LDF200YZ has no slip and anti-block additives. LDF200YZ 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: T-shirt bags Display packaging Light duty shrink film Additives: Barefoot Advantages: Good optical Good mechanical properties Information provided by Titan Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANLENE-LDF200YZ-Low-density-polyethylene.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANLENE-LDF200YZ-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             | 30.0 microns | 1.18 mil                  | extruded at 2.5:1 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       | 310 %         | 310 %      | ASTM D882  |
| Film Elongation at Break, TD       | 580 %         | 580 %      | ASTM D882  |
| Elmendorf Tear Strength, MD        | 6.00 g/micron | 152 g/mil  | ASTM D1922 |
| Elmendorf Tear Strength, TD        | 4.00 g/micron | 102 g/mil  | ASTM D1922 |
| Dart Drop                          | 2.00 g/micron | 50.8 g/mil | ASTM D1709 |
| Film Tensile Strength at Break, MD | 26.5 MPa      | 3840 psi   | ASTM D882  |
| Film Tensile Strength at Break, TD | 21.6 MPa      | 3130 psi   | ASTM D882  |
| 1% Secant Modulus, MD              | 205.94 MPa    | 29869 psi  | ASTM D882  |
| 1% Secant Modulus, TD              | 225.56 MPa    | 32714 psi  | ASTM D882  |

| Thermal Properties    | Metric   | English | Comments          |
|-----------------------|----------|---------|-------------------|
| Vicat Softening Point | 95.0 Â°C | 203 Â°F | resin; ASTM D1525 |

| Optical Properties | Metric | English | Comments   |
|--------------------|--------|---------|------------|
| Haze               | 7.0 %  | 7.0 %   | ASTM D1003 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

| Melt Temperature<br>Processing Properties | 160 - 180 A°C<br>Metric | 320 - 356 A°F<br>English | Comments |
|-------------------------------------------|-------------------------|--------------------------|----------|
| Blow-up Ratio (BUR)                       | 2.5                     | 2.5                      |          |

## 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