

## Lotte Chemical Titan TITANCEED® mL156 Linear low density polyethylene resin (discontinued \*\*)

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

### Material Notes:

Titanceed® mL156 is a pelleted metallocene linear low density polyethylene resin formulated with antioxidant. This product is used for blown film extrusion which offers outstanding tensile strength, impact strength, and draw down ability. Applications: Blends. Advantages: Outstanding tensile strength, impact strength, and draw ability. Information provided by Titan Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lotte-Chemical-Titan-TITANCEED-mL156-Linear-low-density-polyethylene-resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Lotte-Chemical-Titan-TITANCEED-mL156-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             | 25.0 microns | 0.984 mil                 | extruded at 2.5:1 BUR       |
| Base Resin Melt Index | 1.5 g/10 min | 1.5 g/10 min              | I <sub>2</sub> ; ASTM D1238 |

| Mechanical Properties              | Metric        | English   | Comments    |
|------------------------------------|---------------|-----------|-------------|
| Film Elongation at Break, MD       | 480 %         | 480 %     | ASTM D882   |
| Film Elongation at Break, TD       | 520 %         | 520 %     | ASTM D882   |
| Elmendorf Tear Strength, MD        | 13.0 g/micron | 330 g/mil | ASTM D1922  |
| Elmendorf Tear Strength, TD        | 17.0 g/micron | 432 g/mil | ASTM D1922  |
| Dart Drop                          | 18.0 g/micron | 457 g/mil | ASTM D1709A |
| Film Tensile Strength at Break, MD | 53.9 MPa      | 7820 psi  | ASTM D882   |
| Film Tensile Strength at Break, TD | 34.3 MPa      | 4970 psi  | ASTM D882   |
| 1% Secant Modulus, MD              | 147.10 MPa    | 21335 psi | ASTM D882   |
| 1% Secant Modulus, TD              | 156.90 MPa    | 22757 psi | ASTM D882   |

| Optical Properties | Metric | English | Comments        |
|--------------------|--------|---------|-----------------|
| Haze               | 15 %   | 15 %    | ASTM D1003      |
| Gloss              | 40 %   | 40 %    | 45°; ASTM D2457 |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 180 - 200 °C | 356 - 392 °F |          |

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

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