

# TITANCEED® mL156

Linear Low Density Polyethylene  
Lotte Chemical Titan (M) Sdn. Bhd.

Message:

TITANCEED® mL156 is a Linear Low Density Polyethylene material. It is available in Asia Pacific for film extrusion.  
Important attributes of TITANCEED® mL156 are:  
Antioxidant  
Hexene Comonomer  
High Strength  
Impact Resistant  
Typical applications include:  
Additive/Masterbatch  
Film

| General Information                       |                        |                   |             |
|-------------------------------------------|------------------------|-------------------|-------------|
| Additive                                  | Antioxidant            |                   |             |
| Features                                  | Antioxidant            |                   |             |
|                                           | Good Drawdown          |                   |             |
|                                           | Good Impact Resistance |                   |             |
|                                           | Hexene Comonomer       |                   |             |
|                                           | High Tensile Strength  |                   |             |
| Uses                                      | Blending               |                   |             |
|                                           | Film                   |                   |             |
| Forms                                     | Pellets                |                   |             |
| Processing Method                         | Film Extrusion         |                   |             |
| Physical                                  | Nominal Value          | Unit              | Test Method |
| Density                                   | 0.918                  | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.5                    | g/10 min          | ASTM D1238  |
| Films                                     | Nominal Value          | Unit              | Test Method |
| Film Thickness - Tested                   | 25                     | µm                | ASTM D882   |
| Secant Modulus                            |                        |                   |             |
| 1% Secant, MD : 25 µm, Blown Film         | 147                    | MPa               |             |
| 1% Secant, TD : 25 µm, Blown Film         | 157                    | MPa               | ASTM D882   |
| Tensile Strength                          |                        |                   |             |
| MD : Break, 25 µm, Blown Film             | 53.9                   | MPa               |             |
| TD : Break, 25 µm, Blown Film             | 34.3                   | MPa               | ASTM D882   |
| Tensile Elongation                        |                        |                   |             |
| MD : Break, 25 µm, Blown Film             | 480                    | %                 |             |
| TD : Break, 25 µm, Blown Film             | 520                    | %                 | ASTM D1709  |
| Dart Drop Impact (25 µm, Blown Film)      | 450                    | g                 |             |

|                                  |               |      |             |
|----------------------------------|---------------|------|-------------|
| Elmendorf Tear Strength          |               |      | ASTM D1922  |
| MD : 25 μm, Blown Film           | 330           | g    |             |
| TD : 25 μm, Blown Film           | 430           | g    |             |
| Optical                          | Nominal Value | Unit | Test Method |
| Gloss (45°, 25.0 μm, Blown Film) | 40            |      | ASTM D2457  |
| Haze (25.0 μm, Blown Film)       | 15            | %    | ASTM D1003  |
| Extrusion                        | Nominal Value | Unit |             |
| Melt Temperature                 | 180 to 200    | °C   |             |

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#### Recommended distributors for this material

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