



### Application/Uses

- Cast Film Extrusion
- Profile Cast Film
- Blend resin for GP Packaging

### Product Description

Westlake LF1050 is a butene LLDPE with high stiffness suitable for cast film extrusion. This material can be used at 100% or as blending stock with LDPE or mPE.

| <b>Typical Physical Properties</b>   |      |                                |  |
|--------------------------------------|------|--------------------------------|--|
| <b>Property<sup>a</sup></b>          |      | <b>Test<sup>b</sup> Method</b> | <b>Typical Value, Units<sup>c</sup></b>          |
| Melt Index (Condition 190°C/2.16 kg) |      | D 1238                         | 3.5 g/10 min                                     |
| Density                              |      | D 1505                         | 925 kg/m <sup>3</sup> (0.925 g/cm <sup>3</sup> ) |
| Haze (No antiblock)                  |      | D 1003                         | 2.0%   |
| Gloss @ 45° (No antiblock; cast)     |      | D 2457                         | 90   |
| Impact                               |      | D 1709A                        | 90 g   |
| Tensile Strength @ Yield             | M.D. | D 882                          | 12 MPa (1700 psi)                                |
|                                      | T.D. |                                | 12 MPa (1800 psi)                                |
| Tensile Strength @ Break             | M.D. | D 882                          | 32 MPa (4700 psi)                                |
|                                      | T.D. |                                | 21 MPa (3100 psi)                                |
| Elongation (%)                       | M.D. | D 882                          | 700%   |
|                                      | T.D. |                                | 800%   |
| 1% Secant Modulus                    | M.D. | D 882                          | 213 MPa (31000 psi)                              |
|                                      | T.D. |                                | 248 MPa (36000 psi)                              |
| Elmendorf Tear                       | M.D. | D 882                          | 60 grams (0.6 N)                                 |
|                                      | T.D. |                                | 300 grams (2.9 N)                                |

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

### NOTES

#### Kosher Compliant

Test specimens for cast film: nominal thickness 1.0 mils; 13 lbs/die inch @ 525° F melt temperature and 70° F chill roll temperature.

#### FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

#### PROCESSING

Cast melt temperatures of 500° F – 550° F are recommended for Westlake LF1050.

#### COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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