

## Technical Data Sheet

### Applications

- Agricultural films
- Trash bags
- Shrink films

### Product Description

HIFOR® LF1010 is a butene LLDPE resin with excellent mechanical and downgauging properties. It is suitable for agricultural film, can liners, shrink film, and LDPE blends.

### Typical Physical Properties

Property <sup>a</sup>		Test Method <sup>b</sup>	Typical Value, Units <sup>c</sup>
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.8 g/10 min
Density (Base Formulation)		D 1505	922 kg/m <sup>3</sup> (0.922 g/cm <sup>3</sup> )
Dart Impact		D 1709	100 g
Haze (Base Formulation)		D 1003	8.0%
Elmendorf Tear Resistance	M.D. T.D.	D 1922 D 1922	150 gf 500 gf
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	42.7 MPa (6,200 psi) 27.6 MPa (4,000 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	900% 1,100%
1% Secant Modulus	M.D. T.D.	D 882 D 882	227.5 MPa (33,000 psi) 268.9 MPa (39,000 psi)

<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

Test specimens for blown film: nominal thickness 1.0 mil; blow-up ratio 2.5:1, die gap 100 mils.

### Processing

Melt temperatures of 400°F-440°F are recommended for HIFOR® LF1010 with blow-up ratios of 1.5:1 or higher.

### Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

*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. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*