

## Technical Data Sheet

### Applications

- Cast stretch film

### Product Description

HIFOR® LF1030 is a butene LLDPE resin designed to enhance extrusion performance, puncture strength, cling force, and ultimate elongation in high-performance cast and co-extruded stretch film applications.

### 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	2.5 g/10 min
Density (Base Formulation)		D 1505	919 kg/m <sup>3</sup> (0.919 g/cm <sup>3</sup> )
Haze (Base Formulation)		D 1003	1.5%
Gloss @ 45° (Base Formulation)		D 2457	99
Elmendorf Tear Resistance	M.D.	D 1922	60 gf
	T.D.	D 1922	360 gf
Tensile Strength @ Break	M.D.	D 882	33.4 MPa (4,850 psi)
	T.D.	D 882	15.5 MPa (2,250 psi)
Elongation @ Break	M.D.	D 882	700%
	T.D.	D 882	900%
1% Secant Modulus	M.D.	D 882	137.9 MPa (20,000 psi)
	T.D.	D 882	131.0 MPa (19,000 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 cast film: nominal thickness 0.75 mils; 18 lbs/die inch @ 550°F melt temperature and 80°F chill roll temperature.

### Processing

Cast melt temperatures of 520°F-570°F are recommended for HIFOR® LF1030.

### 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.*