

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 can liners, agricultural film, shrink film, and LDPE blends.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	0.8 g/10 min
Density		D 1505	922 kg/m ³ (0.922 g/cm ³)
Dart Impact		D 1709	100 g/mil
Haze (Base Formulation)		D 1003	8.0%
Elmendorf Tear Resistance	M.D.	D 1992	150 gf
	T.D.	D 1992	500 gf
Ultimate Tensile	M.D.	D 882	6,200 psi
	T.D.	D 882	4,000 psi
Elongation	M.D.	D 882	900%
	T.D.	D 882	1,100%
1% Secant Modulus	M.D.	D 882	33,000 psi
	T.D.	D 882	39,000 psi

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

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

Notes

Test specimens for blown film: nominal thickness 1.0 mils; 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.

Westlake Polymers LLC

2801 Post Oak Boulevard, Suite 600

Houston, Texas 77056

1.800.545.9577

www.westlake.com