

Applications

- Stretch wrap
- Agricultural films
- Trash bags

Product Description

HIFOR® LF1020 is a butene LLDPE resin with excellent mechanical and downgauging properties. It is suitable in can liners, stretch wrap, agricultural films, co-extruded films, and blending with LDPE in packaging applications.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	1.1 g/10 min
Density		D 1505	919 kg/m ³ (0.919 g/cm ³)
Dart Impact		D 1709	120 g/mil
Haze (Base Formulation)		D 1003	15.0%
Elmendorf Tear Resistance	M.D.	D 1992	80 gf
	T.D.	D 1992	400 gf
Ultimate Tensile	M.D.	D 882	5,200 psi
	T.D.	D 882	3,600 psi
Elongation	M.D.	D 882	500%
	T.D.	D 882	750%
1% Secant Modulus	M.D.	D 882	27,000 psi
	T.D.	D 882	30,000 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® LF1020 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.

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