

Applications

- Blend stock
- Food packaging
- Stretch wrap

Product Description

HIFOR® LF1040 is a butene LLDPE resin with excellent mechanical and sealing properties. It can be used in stretch film and can liner applications and is suitable for blending with LDPE in packaging applications.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	2.0 g/10 min
Density		D 1505	919 kg/m ³ (0.919 g/cm ³)
Dart Impact		D 1709	70 g/mil
Haze (Base Formulation)		D 1003	19.0%
Elmendorf Tear Resistance	M.D.	D 1992	120 gf
	T.D.	D 1992	440 gf
Ultimate Tensile	M.D.	D 882	4,500 psi
	T.D.	D 882	3,200 psi
Elongation	M.D.	D 882	800%
	T.D.	D 882	980%
1% Secant Modulus	M.D.	D 882	28,000 psi
	T.D.	D 882	33,000 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 410°F – 450°F are recommended for HIFOR® LF1040 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.

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