

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 ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	2.5 g/10 min
Density		D 1505	919 kg/m ³ (0.919 g/cm ³)
Haze (Base Formulation)		D 1003	1.5%
Gloss @ 45° (Base Formulation)		D 2457	95
Elmendorf Tear Resistance	M.D.	D 1992	60 gf
	T.D.	D 1992	400 gf
Ultimate Tensile	M.D.	D 882	5,000 psi
	T.D.	D 882	2,300 psi
Elongation	M.D.	D 882	650%
	T.D.	D 882	870%
1% Secant Modulus	M.D.	D 882	20,000 psi
	T.D.	D 882	20,000 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 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.

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