

Technical Data Sheet

Applications

- Cast or Profile cast film extrusion
- Blend resin for general-purpose packaging

Product Description

HIFOR® LF1050 is a butene LLDPE resin with stiffness suitable for cast film extrusion. It can be used as a pure component or in a blend with LDPE.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	3.5 g/10 min
Density (Base Formulation)		D 1505	925 kg/m ³ (0.925 g/cm ³)
Dart Impact		D 1709	90 g
Haze (Base Formulation)		D 1003	4.0%
Gloss @ 45° (Base Formulation)		D 2457	88
Elmendorf Tear Resistance	M.D.	D 1922	60 gf
	T.D.	D 1922	300 gf
Tensile Strength @ Break	M.D.	D 882	32.4 MPa (4,700 psi)
	T.D.	D 882	21.4 MPa (3,100 psi)
Elongation @ Break	M.D.	D 882	700%
	T.D.	D 882	800%
1% Secant Modulus	M.D.	D 882	213.7 MPa (31,000 psi)
	T.D.	D 882	248.2 MPa (36,000 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 1.0 mils; 13 lbs/die inch @ 525°F melt temperature and 70°F chill roll temperature.

Processing

Cast melt temperatures of 500°F-550°F are recommended for HIFOR® LF1050.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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