

Technical Data Sheet

Applications

- Cast film extrusion
- Cast stretch film

Product Description

HIFOR® LF2051 is a hexene LLDPE designed for cast film extrusion. This resin contains stabilization ideal for the cast extrusion process.

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	918 kg/m ³ (0.918 g/cm ³)
Dart Impact		D 1709	95 g
Haze (Base Formulation)		D 1003	1.5%
Elmendorf Tear Resistance	M.D.	D 1922	300 gf
	T.D.	D 1922	700 gf
Tensile Strength @ Break	M.D.	D 882	50.3 MPa (7,300 psi)
	T.D.	D 882	33.8 MPa (4,900 psi)
Elongation @ Break	M.D.	D 882	500%
	T.D.	D 882	850%
1% Secant Modulus	M.D.	D 882	137.9 MPa (20,000 psi)
	T.D.	D 882	151.7 MPa (22,000 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.

Processing

Cast melt temperatures of 500°F-540°F are recommended for HIFOR® LF2051.

Regulatory Compliance

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

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