



Application/Uses

- Cast Film Extrusion
- Profile Cast Film
- Blend resin for GP Packaging

Product Description

Westlake LF1050 is a butene LLDPE with high stiffness suitable for cast film extrusion. This material can be used at 100% or as blending stock with LDPE or mPE.

Typical Physical Properties

<u>Property^a</u>		<u>Test^b Method</u>	<u>Typical Value, Units^c</u>
Melt Index (Condition 190°C/2.16 kg)		D 1238	3.5 g/10 min
Density		D 1505	925 kg/m ³ (0.925 g/cm ³)
Haze (No antiblock)		D 1003	2.0%
Gloss @ 45° (No antiblock; cast)		D 2457	90
Impact		D 1709A	90 g
Tensile Strength @ Yield	M.D.	D 882	12 MPa (1700 psi)
	T.D.		12 MPa (1800 psi)
Tensile Strength @ Break	M.D.	D 882	32 MPa (4700 psi)
	T.D.		21 MPa (3100 psi)
Elongation (%)	M.D.	D 882	700%
	T.D.		800%
1% Secant Modulus	M.D.	D 882	213 MPa (31000 psi)
	T.D.		248 MPa (36000 psi)
Elmendorf Tear	M.D.	D 882	60 grams (0.6 N)
	T.D.		300 grams (2.9 N)

^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

Kosher Compliant

Test specimens for cast film: nominal thickness 1.0 mils; 13 lbs/die inch @ 525° F melt temperature and 70° F chill roll temperature.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Cast melt temperatures of 500° F – 550° F are recommended for Westlake LF1050.

COMMENTS

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.

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WESTLAKE CHEMICAL CORPORATION
2801 Post Oak Blvd Suite 600 Houston, Texas
Customer Service: 1-800-545-9577