



Westlake Polymers

Enhancing your life every day

LF1040

Linear Low Density Polyethylene

Application/Uses

- Blend stock
- Food packaging
- Stretch wrap

Product Description

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

Typical Physical Properties

Property ^a		Test ^b Method	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)
Haze (No antiblock)		D 1003	13.0 %
Dart Impact		D 1709	70 g/mil
Elmendorf Tear	MD	D 882	60 g/mil (0.6N)
	TD	D 882	360 g/mil (3.6N)
Tensile Break	MD	D 882	27.5 MPa (4000 psi)
	TD	D 882	21.3 MPa (3100 psi)
Ultimate Elongation	MD	D 882	700 %
	TD	D 882	900%
1% Secant Modulus	MD	D 882	90 MPA (28,000 psi)
	TD	D 882	214 MPA (31,000 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

Kosher Compliant

Test specimens for blown film: nominal thickness 1.0 mils fabricated at 2.5:1 BUR, 370F, 100 mil die gap, 9 Lbs/hr/in.

FDA

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

PROCESSING

Cast melt temperatures of 450° F – 520° F are recommended for Westlake LF1040. For blown film, melt temperatures of 350° F – 375° F are recommended.

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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