



Westlake Polymers

Enhancing your life every day

LF1020

Linear Low Density Polyethylene

Application/Uses

- Stretch wrap
- Agricultural films
- Trash bags
- Co-extruded structures

Product Description

Westlake LF1020 is a butene LLDPE with excellent mechanical and downgauging advantages. It is suitable for can liners, stretch wrap, agricultural film, and blending with LDPE. This product is available with various slip and antiblock formulations.

Typical Physical Properties

Property ^a		Test ^b Method	Typical Value, Units ^c
Melt Index		D 1238	1.1 g/10 min
Density		D 1505	919 kg/m ³ (0.919 g/cm ³)
Haze (No antiblock)		D 1003	15.0 %
Dart Impact		D 1709	120 g/mil
Elmendorf Tear	MD	D 882	80 g/mil (0.8N)
	TD	D 882	400 g/mil (4.0N)
Tensile Break	MD	D 882	35 MPa (5200 psi)
	TD	D 882	24 MPa (3,600 psi)
Ultimate Elongation	MD	D 882	500%
	TD	D 882	750%
1% Secant Modulus	MD	D 882	183 MPa (27,000 psi)
	TD	D 882	203 MPa (30,000 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, 90 mil die gap, 420F, 9 lbs/hr/in.

FDA

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

PROCESSING

Blown melt extrusion temperatures of 400° F – 440° F are recommended for Westlake LF1020.

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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