



Westlake Chemical

LF2018

Linear Low Density Polyethylene

Application/Uses

- Heavy duty bags and sacks
- Agricultural films

Product Description

Westlake LF2018 is a hexene LLDPE suitable for heavy duty films and shipping sacks. This material has increased stiffness, and can be blended with LDPE for strength property enhancements.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	0.80 g/10 min
Density*		D 1505	924 kg/m ³ (0.924 g/cm ³)
Haze*		D 1003	15.0 %
Dart Impact		D 1709	300 g/mil
Tensile Break	MD	D 882	6,100 psi
	TD	D 882	5,400 psi
Ultimate Elongation	MD	D 882	1100 %
	TD	D 882	1100 %
1% Secant Modulus	MD	D 882	41,000 psi
	TD	D 882	54,000 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 blown film: nominal thickness 1.0 mils fabricated at 2.5:1 BUR.

FDA

This resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

PROCESSING

Cast melt temperatures of 400° F – 420° F are recommended for Westlake Chemical LF2018.

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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