

# Westlake LLDPE LF2018

Linear Low Density Polyethylene

Westlake Chemical Corporation

## Message:

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.

Application/Uses:

Heavy duty bags and sacks

Agricultural films

General Information			
Features	hexene comonomer		
Uses	Films		
	Bags		
	Mixing		
	Agricultural application		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Blow film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus <sup>1</sup>			ASTM D882
1% secant, MD: 25 µm, blown film	283	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	372	MPa	ASTM D882
Tensile Strength <sup>2</sup>			ASTM D882
MD: Broken, 25 µm, blown film	42.1	MPa	ASTM D882
TD: Broken, 25 µm, blown film	37.2	MPa	ASTM D882
Tensile Elongation <sup>3</sup>			ASTM D882
MD: Broken, 25 µm, blown film	1100	%	ASTM D882
TD: Broken, 25 µm, blown film	1100	%	ASTM D882
Dart Drop Impact <sup>4</sup> (25 µm, Blown Film)	300	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Haze (25.4 µm, Blown Film)	15	%	ASTM D1003
Additional Information			

Test specimens for blown film: nominal thickness 1.0 mils fabricated at 2.5:1 BUR.

Extrusion	Nominal Value	Unit
Melt Temperature	204 - 216	°C

#### NOTE

- |    |   |
|----|---|
| 1. | Test run at 23°C (73°F) and 50% relative humidity |
| 2. | Test run at 23°C (73°F) and 50% relative humidity |
| 3. | Test run at 23°C (73°F) and 50% relative humidity |
| 4. | Test run at 23°C (73°F) and 50% relative humidity |

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#### Recommended distributors for this material

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