Westlake LLDPE LF2010

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

Westlake LF2010 is a hexene LLDPE with increased stiffness suitable for heavy duty films and shipping sacks. This material contains process aid for improved ease of extrusion, and can be blended with LDPE for strength property enhancements.
Application/Uses
Bags and sacks
Agricultural films
Trash bags and liners
Co-extruded structures

General Information	
Additive	Processing aid
Features	hexene comonomer Workability, good
Uses	Films Lining Bags Mixing Agricultural application
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Blow film Co-extrusion molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm³	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 [1]			ASTM D882
1% secant, MD: 25 µm, blown film	255	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	290	MPa	ASTM D882
Tensile Strength [2]			ASTM D882
MD: Broken, 25 µm, blown film	44.8	MPa	ASTM D882
TD: Broken, 25 µm, blown film	41.4	MPa	ASTM D882
Tensile Elongation [3]			ASTM D882

MD: Broken, 25 µm, blown film	700	%	ASTM D882
TD: Broken, 25 µm, blown film	900	%	ASTM D882
Dart Drop Impact [4] (25 µm, Blown Film)	210	g	ASTM D1709A
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.	F50		

Recommended distributors for this material

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