

HIFOR® LF1021

Linear Low Density Polyethylene
Westlake Chemical Corporation

Message:

Westlake LF1021 is a butene blown film LLDPE providing excellent mechanical and downgauging performance. This Kosher compliant product is formulated with medium slip, high antiblock, and process aid for high speed blown film extrusions from narrow and wide die gaps.

Application/Uses
Blown stretch film
Agricultural films
Trash bags

General Information			
Additive	High caking resistance		
	Processing aid		
	Moderate smoothness		
Features	Kosher certification		
	Butene comonomer		
	High caking resistance		
	Moderate smoothness		
Uses	Blown Film		
	Films		
	Bags		
	Agricultural application		
Agency Ratings	FDA not rated		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	186	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	207	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	35.9	MPa	ASTM D882
TD: Broken, 25 µm, blown film	24.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	670	%	ASTM D882

TD: Broken, 25 µm, blown film	900	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	120	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Haze (25.4 µm, Blown Film)	20	%	ASTM D1003
Additional Information			
Test specimens for blown film: nominal thickness 1.0 mils fabricated at 2.5:1 BUR, 400° F melt temperature, 9 lbs/hr/in, 100 mil die gap.			
Extrusion	Nominal Value	Unit	
Melt Temperature	204 - 216	°C	

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