

HIFOR® LF1030AA

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

Westlake LF1030AA is a butene LLDPE designed to enhance extrusion performance, puncture strength, cling force, and ultimate elongation in high-performance cast, coextruded stretch film formulations.

Application/Uses

Cast Stretch Film

General Information			
Features	Butene comonomer		
	Perforation resistance		
Uses	Films		
	Stretch winding		
	cast film		
Agency Ratings	FDA not rated		
Processing Method	Co-extruded film		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	19	µm	
secant modulus			ASTM D882
1% sectioning, MD: 19 µm, blown film	138	MPa	ASTM D882
1% sectioning, TD: 19 µm, blown film	131	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: fracture, 19 µm, blow film	33.4	MPa	ASTM D882
TD: fracture, 19 µm, blow film	15.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: fracture, 19 µm, blow film	700	%	ASTM D882
TD: fracture, 19 µm, blow film	900	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD, Blown Film : 19.1 µm	23.2	kN/m	ASTM D1922
TD, Blown Film : 19.1 µm	104.2	kN/m	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45 °, 19.1 µm, blown film)	99		ASTM D2457


Haze (19.1 μm, blown film)	1.5	%	ASTM D1003
Additional Information			
Test specimens for cast film: nominal thickness 0.75 mils; 18 lbs/die inch @ 550° F melt temperature and 80° F chill roll temperature.			
Extrusion	Nominal Value	Unit	
Melt Temperature	271 - 299	°C	

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