

HIFOR® LT74151

Linear Low Density Polyethylene
Westlake Chemical Corporation

Message:

WESTLAKE HIFOR Polyethylene LT74151 is a high strength linear low density polyethylene containing high slip and high antiblock. It is designed for blown film applications and is well suited for consumer and industrial packaging markets which require impact and tear strength. Films produced using LT74151 exhibit low imperfections and facilitate production at thinner gauges.

Application/Uses
Vegetable packaging
Bread bags
Ice bags

General Information			
Additive	High smoothness		
	High caking resistance		
Features	High smoothness		
	High caking resistance		
	Impact resistance, good		
	Good tear strength		
Uses	Blown Film		
	Packaging		
	Bags		
	Industrial application		
Agency Ratings	FDA not rated		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	221	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	241	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	50.3	MPa	ASTM D882
TD: Broken, 25 µm, blown film	39.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	750	%	ASTM D882

TD: Broken, 25 µm, blown film	1000	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	170	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	30		ASTM D2457
Haze (25.4 µm, Blown Film)	35	%	ASTM D1003

Additional Information

Gauge of test specimens 1.0 mil fabricated on a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 450° F melt temperature, and 7.5 lb/hr/inch die output.

Extrusion	Nominal Value	Unit
Melt Temperature	204 - 216	°C

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