

Trademark PE LLH1918

Linear Low Density Polyethylene
Trademark Plastics Corporation

Message:

- Applications:
- Heavy Duty Sacks
 - Industrial Liners
 - Food Packaging
 - Commercial Packaging
- Properties:
- Hexene Comonomer
 - Excellent Strength
 - Excellent Drawdown
 - Excellent Heat Seal
- Additives:
- LLH1918B - Barefoot
 - LLH1918C - No Slip & High Antiblock
 - LLH1918 - High Slip and Antiblock

General Information			
Features	Low density		
	High strength		
	hexene comonomer		
	Good stripping		
	Good heat sealability		
	Compliance of Food Exposure		
Uses	Packaging		
	Lining		
	Food packaging		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
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)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
secant modulus			
1% secant, MD: 25 µm, blown film	203	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	221	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	55.8	MPa	ASTM D882

TD: Broken, 25 μm, blown film	42.1	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 μm, blown film	580	%	ASTM D882
TD: Broken, 25 μm, blown film	690	%	ASTM D882
Dart Drop Impact (25 μm, Blown Film)	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 μm, blown film	350	g	ASTM D1922
TD: 25 μm, blown film	630	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 μm, Blown Film)	35		ASTM D2457
Haze (25.4 μm, Blown Film)	19	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	191 - 218	°C	
Extrusion instructions			

Blow-up ratio: 2:1 or higher

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