

Trademark PE LLB1918B

Linear Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE LLB1918B is a linear low density polyethylene product. It is available in North America. The application fields of Trademark PE LLB1918B include bag/lining, packaging, film and food contact applications.

Features include:

- Butene Comonomer
- accessible food
- Good sealing performance
- Puncture resistance

General Information			
Features	Butene comonomer		
	Perforation resistance		
	Good stripping		
	Good heat sealability		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Lining		
	Food packaging		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particles		
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	
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	186	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	190	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	45.5	MPa	ASTM D882
TD: Broken, 25 µm, blown film	31.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	570	%	ASTM D882
TD: Broken, 25 µm, blown film	730	%	ASTM D882

Dart Drop Impact (25 µm, Blown Film)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	130	g	ASTM D1922
TD: 25 µm, blown film	320	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	45		ASTM D2457
Haze (25.4 µm, Blown Film)	17	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	204 - 232	°C	
Extrusion instructions			

Blow-up ratio: 1.5:1 or higher

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