

# Trademark PE mLLD1918B

Metallocene Linear Low Density Polyethylene

Trademark Plastics Corporation

## Message:

Trademark PE mLLD1918B is a Metallocene Linear Low Density Polyethylene product. It can be processed by coextrusion and is available in North America. Applications of Trademark PE mLLD1918B include film, food contact applications, packaging and sealing applications.

Characteristics include:

Food Contact Acceptable

Good Sealability

High Gloss

High Strength

Processing Aid

General Information			
Additive	Processing Aid		
Features	Food Contact Acceptable		
	Good Heat Seal		
	High Gloss		
	High Strength		
Uses	Film		
	Packaging		
	Seals		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Granules		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.918	g/cm <sup>3</sup>	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 D3763
Film Puncture Force (25 µm)	77.0	N	
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	172	MPa	ASTM D882
1% Secant, TD : 25 µm, Blown Film	190	MPa	
Tensile Strength			
MD : Yield,25 µm, Blown Film	10.7	MPa	ASTM D882
TD : Yield,25 µm, Blown Film	9.51	MPa	
MD : Break, 25 µm,Blown Film	58.5	MPa	
TD : Break, 25 µm,Blown Film	51.6	MPa	
Tensile Elongation			ASTM D882

MD : Break, 25 µm,Blown Film	450	%	
TD : Break, 25 µm,Blown Film	600	%	
Dart Drop Impact (25 µm, Blown Film)	800	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	230	g	
TD : 25 µm, Blown Film	500	g	
Seal Initiation Temperature (25 µm, Blown Film)	95.6	°C	ASTM D3763
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	130		ASTM D2457
Haze <sup>2</sup> (25.4 µm, Blown Film)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 204	°C	
NOTE			
1.	Base polymer only		
2.	Base polymer only		

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