

Trademark PE mLLD1916F

Metallocene Linear Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE mLLD1916F is a metallocene linear low density polyethylene product. It can be processed by coextruded film and is available in North America. The application fields of Trademark PE mLLD1916F include packaging, movies, sealing applications and food contact applications.

Features include:

- Antiblock software
- high gloss
- high strength
- slide
- accessible food

General Information			
Additive	High smoothness		
	High caking resistance		
Features	Highlight		
	High smoothness		
	High caking resistance		
	High strength		
	Good heat sealability		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Seals		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Particles		
Processing Method	Co-extruded film		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.916	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.4	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Film Puncture Force (25 µm)	82.7	N	ASTM D3763
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	165	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	181	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 25 µm, blown film	13.6	MPa	ASTM D882

TD: Yield, 25 µm, blown film	10.3	MPa	ASTM D882
MD: Broken, 25 µm, blown film	52.1	MPa	ASTM D882
TD: Broken, 25 µm, blown film	51.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	470	%	ASTM D882
TD: Broken, 25 µm, blown film	580	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	1100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	230	g	ASTM D1922
TD: 25 µm, blown film	500	g	ASTM D1922
Seal Initiation Temperature (25 µm, Blown Film)	92.8	°C	ASTM D3763
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	135		ASTM D2457
Haze ² (25.4 µm, Blown Film)	4.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 204	°C	
Extrusion instructions			
Blow-up ratio: 1.5:1 or higher			
NOTE			
1.	Base polymer only		
2.	Base polymer only		

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