Trademark PE mLLD1916B

Metallocene Linear Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE mLLD1916B 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 mLLD1916B include packaging, movies, sealing applications and food contact applications.
Features include:
high gloss
high strength
processing aids
accessible food
Good sealing performance

General Information			
Additive	Processing aid		
Features	Highlight 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/cm³	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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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