Trademark PE mLLD1918F

Metallocene Linear Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE mLLD1918F is a Metallocene Linear Low Density Polyethylene product. It can be processed by coextrusion and is available in North America. Applications of Trademark PE mLLD1918F include film, food contact applications, packaging and sealing applications.
Characteristics include:
Antiblock
Food Contact Acceptable
Good Sealability
High Gloss
High Strength

General Information			
Additive	High Antiblock High Slip		
Features	Food Contact Acceptable Good Heat Seal High Antiblocking High Gloss High Slip 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 [1]	0.918	g/cm³	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	
Film Puncture Force (25 µm)	77.0	N	ASTM D3763
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	172	MPa	
1% Secant, TD : 25 µm, Blown Film	190	MPa	
Tensile Strength			ASTM D882
MD : Yield,25 µm, Blown Film	10.7	MPa	

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 [2] (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		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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