

Trademark PE LD0720F

Low Density Polyethylene
Trademark Plastics Corporation

Message:

Trademark PE LD0720F is a Low Density Polyethylene product. It is available in North America. Applications of Trademark PE LD0720F include bags/liners, film, food contact applications and wrap.

Characteristics include:

- Antiblock
- Food Contact Acceptable
- Good Processability
- Good Toughness
- Slip

General Information			
Additive	Medium Antiblock		
	Medium Slip		
Features	Additive Free		
	Food Contact Acceptable		
	Good Drawdown		
	Good Processability		
	Good Toughness		
	Medium Antiblocking		
	Medium Slip		
Uses	Film		
	Heavy-duty Bags		
	Liners		
	Shrink Wrap		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 51 µm, Blown Film	172	MPa	
1% Secant, TD : 51 µm, Blown Film	217	MPa	ASTM D882
Tensile Strength			
MD : Break, 51 µm,Blown Film	23.4	MPa	
TD : Break, 51 µm,Blown Film	16.5	MPa	

Tensile Elongation			ASTM D882
MD : Break, 51 μ m,Blown Film	170	%	
TD : Break, 51 μ m,Blown Film	490	%	
Dart Drop Impact (51 μ m, Blown Film)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 μ m, Blown Film	290	g	
TD : 51 μ m, Blown Film	180	g	
Optical	Nominal Value	Unit	Test Method
Haze (50.8 μ m, Blown Film)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 199	°C	

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