

Trademark PE LD0720B

Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE LD0720B is a Low Density Polyethylene product. It is available in North America. Applications of Trademark PE LD0720B include bags/liners, film, food contact applications and wrap.

Characteristics include:

Food Contact Acceptable

Good Processability

Good Toughness

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	Good Drawdown		
	Good Processability		
	Good Toughness		
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	ASTM D882
Tensile Elongation			
MD : Break, 51 µm,Blown Film	170	%	
TD : Break, 51 µm,Blown Film	490	%	ASTM D1709
Dart Drop Impact (51 µm, Blown Film)	130	g	
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm, Blown Film	290	g	

TD : 51 μm, Blown Film	180	g	
Optical	Nominal Value	Unit	Test Method
Haze (50.8 μm, Blown Film)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 199	°C	

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