

# Trademark PE LD2920B

Low Density Polyethylene

Trademark Plastics Corporation

## Message:

Trademark PE LD2920B is a Low Density Polyethylene product. It is available in North America. Applications of Trademark PE LD2920B include bags/liners, film, foam, food contact applications and industrial applications.

Characteristics include:

Food Contact Acceptable

Good Processability

Good Toughness

General Information			
Features	Additive Free		
	Foamable		
	Food Contact Acceptable		
	Good Drawdown		
	Good Processability		
	Good Toughness		
Uses	Bags		
	Film		
	Foam		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings		FDA 21 CFR 177.1520(c) 2.1	
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	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	179	MPa	
1% Secant, TD : 51 µm, Blown Film	217	MPa	ASTM D882
Tensile Strength			
MD : Break, 51 µm,Blown Film	21.4	MPa	
TD : Break, 51 µm,Blown Film	15.9	MPa	ASTM D882
Tensile Elongation			
MD : Break, 51 µm,Blown Film	200	%	
TD : Break, 51 µm,Blown Film	510	%	

Dart Drop Impact (51 $\mu$ m, Blown Film)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 $\mu$ m, Blown Film	320	g	
TD : 51 $\mu$ m, Blown Film	110	g	
Optical	Nominal Value	Unit	Test Method
Haze (50.8 $\mu$ m, Blown Film)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 199	°C	

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#### Recommended distributors for this material

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