

Trademark PE LD2923B

Low Density Polyethylene

Trademark Plastics Corporation

Message:

Trademark PE LD2923B is a Low Density Polyethylene product. It is available in North America. Applications of Trademark PE LD2923B include bags/liners, engineering/industrial parts, film and food contact applications.

Characteristics include:

- Clarity
- Food Contact Acceptable
- Good Processability
- Good Sealability
- High Strength

General Information			
Features	Additive Free		
	Food Contact Acceptable		
	Good Heat Seal		
	Good Processability		
	High Clarity		
	High Strength		
Uses	Bags		
	Film		
	Heavy-duty Bags		
	Laundry Bags		
	Transparent Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	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	172	MPa	
1% Secant, TD : 51 µm, Blown Film	200	MPa	ASTM D882
Tensile Strength			
MD : Break, 51 µm,Blown Film	24.1	MPa	
TD : Break, 51 µm,Blown Film	18.6	MPa	ASTM D882
Tensile Elongation			
MD : Break, 51 µm,Blown Film	350	%	
TD : Break, 51 µm,Blown Film	700	%	

Dart Drop Impact (51 µm, Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm, Blown Film	360	g	
TD : 51 µm, Blown Film	200	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.8 µm, Blown Film)	76		ASTM D2457
Haze (50.8 µm, Blown Film)	5.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	182 to 199	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

