

Premier LS01018 - B

Linear Low Density Polyethylene

Premier Polymers, LLC.

Message:

Premier LS01018 is a high strength linear low density polyethylene resin suitable for applications requiring high strength, tear resistance, clarity, and processability. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Tear Strength		
	High Clarity		
	High Strength		
	Low Density		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	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
Secant Modulus			ASTM D882
MD	193	MPa	
TD	207	MPa	
Tensile Strength			ASTM D882
MD : Yield	6.89	MPa	
TD : Yield	8.27	MPa	
MD : Break	48.3	MPa	
TD : Break	37.9	MPa	
Tensile Elongation			ASTM D882
MD : Break	700	%	
TD : Break	900	%	
Dart Drop Impact	400	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	400	g	
TD	650	g	

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