

Premier LD02023 - BM

Low Density Polyethylene

Premier Polymers, LLC.

Message:

Premier LD02023 resins are clarity low density polyethylene film resins suitable for blown or cast thin film application. 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		
	Low Density		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
	Casting		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
MD	207	MPa	
TD	228	MPa	
Tensile Strength			ASTM D882
MD : Break	24.1	MPa	
TD : Break	20.7	MPa	
Tensile Elongation			ASTM D882
MD : Break	250	%	
TD : Break	600	%	
Dart Drop Impact	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	350	g	
TD	200	g	
Optical	Nominal Value	Unit	Test Method
Haze	5.0	%	ASTM D1003

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