

Formolene® L62009E2

Linear Low Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® L62009E2 is a general-purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.
Formolene® L62009E2 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			
Additive	Antiblock (7000 ppm) 2		
	Slip (1500 ppm) 2		
Features	General Purpose		
	High Strength		
	Low Density		
	Ultra High Toughness		
Uses	Bags		
	General Purpose		
	Liners		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Tensile Strength			
MD : Break	32.8	MPa	
TD : Break	24.0	MPa	ASTM D882
Tensile Elongation			
MD : Break	520	%	
TD : Break	780	%	ASTM D1709
Dart Drop Impact	160	g	
Elmendorf Tear Strength			ASTM D1922

MD	400	g	
TD	630	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	33		ASTM D523
Haze	21	%	ASTM D1003
Additional Information	Nominal Value		
Blow-up Ratio	2.5:1		

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