Formolene® L42009M

Linear Low Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene® L42009M 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® L42009H 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 (8000 ppm)
	Slip (1500 ppm)
Features	Antiblocking
	Butene Comonomer
	Food Contact Acceptable
	General Purpose
	Good Drawdown
	Good Strength
	Good Toughness
	Slip
Uses	Blending
	Film
	General Purpose
	Industrial Applications
	Laundry Bags
	Liners
	Non-specific Food Applications
	Packaging
Agency Ratings	EC 1907/2006 (REACH)
	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Blown Film
	Coextrusion
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm³	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	
Tensile Strength			ASTM D882
MD : Break, 25 µm,Blown Film	35.2	MPa	
TD : Break, 25 µm,Blown Film	22.2	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	700	%	
TD : Break, 25 µm,Blown Film	820	%	
Elmendorf Tear Strength [1]			
MD : 25.0 µm	61.8	kN/m	ASTM D1922
TD : 25.0 µm	154.4	kN/m	
Dart Impact (25.0 µm) [2]	52.1	kN/m	ASTM D1709
Optical	**Nominal Value**	**Unit**	**Test Method**
Gardner Gloss (45°, 25.0 µm, Blown Film)	36		ASTM D523
Haze (25.0 µm, Blown Film)	27	%	ASTM D1003
NOTE			
1.	Blown Film		
2.	Blown Film		

Recommended distributors for this material

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