



Formosa Plastics®

Formolene® LLDPE

Formolene® L42009

Linear Low Density Polyethylene
Butene Copolymer for Film Extrusion

Formolene® L42009 is a general-purpose film grade linear low density made using the BP Gas Phase Process™. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

Formolene® L42009 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.

Suggested Applications:

Blending Resin	Industrial Liners
Industrial Packaging	Garment Bags
Co-Extrusion	

Nominal Physical Properties:

PROPERTY**	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.919
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.95
Dart Impact	D1709	g/mil.	75
Tear Strength	D1922	g/mil.	110/650*
Tensile Strength at Break	D882	psi.	4,600/3,500*
Elongation	D882	%	540/800*
Gloss, 45°	D523		25
Haze	D1003	%	22

* MD / TD

Available in the following additive packages:

Additive	L42009A	L42009B	L42009E2	L42009F	L42009H	L42009PE*	L42009M
Antiblock	High	None	High	High	None	High	High
Slip	None	None	High	High	None	High	High
Special	-	-	Additives synthetic based	Additives talc based	High Antioxidant	Additives synthetic based	Additives talc based

* Contains processing aid

Note: Film Properties based on 25 Micron blown film produced with a 2.5:1 Blow Up Ratio. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

Published 8/04, Revised 8/10

Any inquiries regarding this data sheet should be addressed to: 9 Peach Tree Hill Road • Livingston, NJ 07039 • Phone: (888) FPCUSA3 • Fax: (973) 422-7772

The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions concerning uses or applications are only the opinion of FORMOSA PLASTICS CORPORATION, U.S.A. and users should perform their own tests to determine the suitability of these products for their own particular purposes. However, because of numerous factors affecting the results, FORMOSA PLASTICS CORPORATION, U.S.A. MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, other than that the material conforms to the applicable current Standard Specifications Statements herein, therefore, should not be construed as representations or warranties. The responsibility of FORMOSA PLASTICS CORPORATION, U.S.A. for claims arising out of breach of warranty, negligence, strict liability or otherwise is limited to the purchase price of the material. Statements concerning the use of the products of formulations described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.

© Formosa Plastics Corporation, U.S.A.

Formolene® is a registered trademark of FPC USA

