



**Formosa Plastics®**

Formolene®

## Formolene® L42009F

### Linear Low Density Polyethylene (LLDPE) Resin Butene Copolymer for Film Extrusion Applications

Formolene® L42009F 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® L42009F 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 Packaging  
Co-Extrusion  
Industrial Liners  
Garment Bags

#### 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.	135
Tear Strength	D1922	g/mil.	160/400*
Tensile Strength at Break	D882	psi.	5,100/3,225*
Elongation	D882	%	700/815*
Gloss, 45°	D523		36
Haze	D1003	%	27

\* MD / TD

Available in the following additive packages:

Additive	L42009A	L42009B	L42009E2	L42009F	L42009H	L42009M	L42009PE**
Antiblock (ppm)	7500	None	1700	7000	None	8000	1700
Slip (ppm)	None	None	1350	1350	None	1500	1350
Special	Additives talc based	-	Additives synthetic based	Additives talc based	High Antioxidant	Additives talc based	Additives synthetic 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 08/01/04, Revised 01/11/16

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.