



Formosa Plastics®

Technical Data Sheet

Formolene® LLDPE

Formolene L42009

Melt Index – 0.95
Density – 0.919

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
Coextrusion	

Nominal Physical Properties

PROPERTY**	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	D746	%	540/800*
Gloss, 45°	D790		25
Haze	D1003	%	22

* MD / TD

Available in the following additive packages:

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

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