Manufacturer website: https://www.fpcusa.com/

Formosa Plastics®

Formolene® L42009E2

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

Formolene® L42009E2 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® L42009E2 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.	150/385*
Tensile Strength at Break	D882	psi.	5,100/4,130*
Elongation	D882	%	690/920*
Gloss, 45°	D523		40
Haze	D1003	%	20

* 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 2.5:1Blow 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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