Formosa Plastics®

Formolene® LLDPE

Formolene FORMAX® L9

Superior Performance Linear Low Density Polyethylene for Film Extrusion

Formolene FORMAX® L9 is a superior strength linear low density hexene copolymer polyethylene made using a gas-phase process. Film mechanical properties are comparable to premium strength LLDPE film resins.

Formolene FORMAX® L9 is formulated with slip and antiblock for use in high performance film applications offering excellent extrusion processing and outstanding impact strength and tear resistance. Films exhibit good optical properties.

Formolene FORMAX® L9 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:

Industrial packaging	Industrial liners	Food packaging
Can liners	Consumer trash bags	Coextrusion

Nominal Physical Properties:

PROPERTY	TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.915
Melt Index, Condition E, 190ºC/2.16 kg	D1238	g/10 min	0.70
Dart Impact	D1709	g	535
Tear Strength	D1922	g	465/650*
Yield Strength	D882	psi	1525/1530*
Tensile Strength at Break	D882	psi	5700/5000*
Elongation	D882	%	670/880*
Seal Initiation Temperature (2mil)	FPC (1)	°F / ºC	217/103

* MD/TD

(1) Temperature at which 2 lb/in. (8.8 N/25.4mm) heat seal strength is achieved. Lako Tool SL-10 Heat Seal/Hot Tack Tester, 0.5 sec dwell, 40 psi bar pressure, peel speed 10 in./min.

Available in the following additive packages:

Additive	**L91507A**	**L91507E2**	**L91507H**
Antiblock (ppm)	7000	7000	None
Slip (ppm)	None	1500	None
Special	Additives talc based	Additives talc based	High Antioxidant

Note: Film properties based on 25 micron blown film produced with a 2.5:1 Blow Up Ratio at 12 lbs/hr/in.die. Actual film properties may vary based on extrusion equipment, operating conditions and additive package. Film properties are not intended to be used as specifications.

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