

Formolene FORMAX® L91507A

Linear Low Density Polyethylene
Formosa Plastics Corporation, U.S.A.

Message:

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

General Information			
Additive	High Antiblock (7000 ppm) 2		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Tear Strength		
	Hexene Comonomer		
	High Antiblocking		
	High Strength		
	Opticals		
Uses	Bags		
	Food Packaging		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Coextrusion		
	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm³	ASTM D1505

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	μm	
Tensile Strength			ASTM D882
MD : Yield, 25 μm, Blown Film	10.5	MPa	
TD : Yield, 25 μm, Blown Film	10.5	MPa	
MD : Break, 25 μm, Blown Film	39.3	MPa	
TD : Break, 25 μm, Blown Film	34.5	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 μm, Blown Film	670	%	
TD : Break, 25 μm, Blown Film	880	%	
Dart Drop Impact (25 μm, Blown Film)	540	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm, Blown Film	470	g	
TD : 25 μm, Blown Film	650	g	
Seal Initiation Temperature ¹ (51 μm)	103	°C	
NOTE			

1.

Temperature at which 2 lb/in 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.

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