

Formolene FORMAX® L91507H

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	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Impact Resistance		
	Good Tear Strength		
	Hexene Comonomer		
	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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