

# Formolene FORMAX® L91507E2

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 High Slip (1500 ppm) 2
Features	Food Contact Acceptable Good Impact Resistance Good Tear Strength Hexene Comonomer High Antiblocking High Slip 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/cm <sup>3</sup>	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	8.45	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 <sup>1</sup> (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.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT