

Formolene FORMAX® L71709E2

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

Message:

Formolene FORMAX® L7 is a high strength linear low density hexene copolymer polyethylene made using a gas-phase process. Film mechanical properties are significantly improved compared to competitive super hexene LLDPE film resins. Formolene FORMAX® L7 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® L7 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
- Coextrusion
- Can Liners
- Consumer Trash Bags

General Information			
Additive	Antiblock (7000 ppm) 2		
	Slip (1500 ppm) 2		
Features	Copolymer		
	Food Contact Acceptable		
	Good Tear Strength		
	Hexene Comonomer		
	High Antiblocking		
	High Slip		
	High Strength		
	Opticals		
Uses	Bags		
	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	0.917	g/cm ³	ASTM D1505

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	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	11.4	MPa	
TD : Yield,25 μm, Blown Film	11.3	MPa	
MD : Break, 25 μm,Blown Film	39.2	MPa	
TD : Break, 25 μm,Blown Film	29.6	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 μm,Blown Film	700	%	
TD : Break, 25 μm,Blown Film	870	%	
Dart Drop Impact (25 μm, Blown Film)	410	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm, Blown Film	380	g	
TD : 25 μm, Blown Film	710	g	

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