

Formolene FORMAX® L91720B

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

Message:

Formolene FORMAX® L91720B is a superior strength linear low density polyethylene. Film mechanical properties are comparable to premium strength LLDPE film resins.

Formolene FORMAX® L91720B is a barefoot resin 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® L91720B 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
- Stretch Film
- Can Liners
- Consumer Trash Bags
- Coextrusion

General Information			
Features	High strength		
	Optical		
	Impact resistance, good		
	Workability, good		
	Good tear strength		
	Compliance of Food Exposure		
	No additive		
Uses	Packaging		
	Lining		
	Bags		
	Industrial application		
	Stretch winding		
	Food packaging		
Agency Ratings	EC 1907/2006 (REACH)		
	FDA 21 CFR 177.1520		
Processing Method	Film extrusion		
	Co-extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238

Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	μm	
Tensile Strength			ASTM D882
MD: Yield, 20 μm, blown film	9.31	MPa	ASTM D882
TD: Yield, 20 μm, blown film	9.17	MPa	ASTM D882
MD: Broken, 20 μm, blown film	35.9	MPa	ASTM D882
TD: Broken, 20 μm, blown film	25.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 20 μm, blown film	540	%	ASTM D882
TD: Broken, 20 μm, blown film	770	%	ASTM D882
Dart Drop Impact (20 μm, Blown Film)	300	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 20 μm, blown film	270	g	ASTM D1922
TD: 20 μm, blown film	440	g	ASTM D1922

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