



Formolene FORMAX® L91720B

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

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• North America
Features	• Additive Free • Food Contact Acceptable • Good Impact Resistance • Good Optical Properties • Good Processability • Good Tear Strength • High Strength
Uses	• Bags • Food Packaging • Industrial Applications • Liners • Packaging • Stretch Wrap
Agency Ratings	• EC 1907/2006 (REACH) • FDA 21 CFR 177.1520
Forms	• Pellets
Processing Method	• Coextrusion • Film Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	1	mil	
Tensile Strength - MD (Yield, 0.79 mil, Cast Film)	1300	psi	ASTM D882
Tensile Strength - TD (Yield, 0.79 mil, Cast Film)	1300	psi	ASTM D882
Tensile Strength - MD (Break, 0.79 mil, Cast Film)	5200	psi	ASTM D882
Tensile Strength - TD (Break, 0.79 mil, Cast Film)	3800	psi	ASTM D882
Tensile Elongation - MD (Break, 0.79 mil, Cast Film)	500	%	ASTM D882
Tensile Elongation - TD (Break, 0.79 mil, Cast Film)	750	%	ASTM D882
Dart Drop Impact (0.79 mil, Cast Film)	250	g	ASTM D1709
Elmendorf Tear Strength - MD (0.79 mil, Cast Film)	270	g	ASTM D1922
Elmendorf Tear Strength - TD (0.79 mil, Cast Film)	430	g	ASTM D1922

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Optical	Nominal Value	Unit	Test Method
Gloss (45°)	80		ASTM D2457
Haze	2.00	%	ASTM D1003

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	520	°F

Notes

¹ Typical properties: these are not to be construed as specifications.