



Formolene® L62009B

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

Tuesday, November 5, 2019

General Information

Product Description

Formolene® L62009B is a general-purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

Formolene® L62009B meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR177.1520, covering safe use of polyolefin articles intended for direct food contact.

General

Material Status	• Commercial: Active	
Availability	• North America	
Features	• General Purpose • High Strength	• Low Density • Ultra High Toughness
Uses	• Bags • General Purpose	• Liners • Packaging
Agency Ratings	• EC 1907/2006 (REACH)	• FDA 21 CFR 177.1520
Processing Method	• Coextrusion	• Film Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (190°C/2.16 kg)	0.95	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	1	mil	
Tensile Strength - MD (Break, 0.98 mil, Blown Film)	4750	psi	ASTM D882
Tensile Strength - TD (Break, 0.98 mil, Blown Film)	3490	psi	ASTM D882
Tensile Elongation - MD (Break, 0.98 mil, Blown Film)	520	%	ASTM D882
Tensile Elongation - TD (Break, 0.98 mil, Blown Film)	780	%	ASTM D882
Dart Drop Impact (0.98 mil, Blown Film)	160	g	ASTM D1709
Elmendorf Tear Strength - MD (0.98 mil, Blown Film)	400	g	ASTM D1922
Elmendorf Tear Strength - TD (0.98 mil, Blown Film)	630	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 0.984 mil, Blown Film)	33		ASTM D523
Haze (0.984 mil, Blown Film)	21.0	%	ASTM D1003
Additional Information	Nominal Value	Unit	
Blow-up Ratio	2.5:1		

Notes

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