

Mapolene LLB1902 is a general purpose film grade butene linear low density polyethylene resin made using gas-phase technology. This resin exhibits excellent toughness and strength when drawn down to thin gauges in blown and cast film applications. It is available in various additive packages.

Mapolene LLB1902

Polyethylene Blown Film	Melt Index	2
	Density	.919

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	2
Density	ASTM D1505	g/cm ³	.919
<i>Nominal Blown Film Properties at 1.0 mil</i>			
Tensile Strength @ Break	ASTM D882	psi	MD (TD) 3900 (2700)
Elongation @ Break	ASTM D882	%	MD (TD) 600 (800)
Dart Drop	ASTM D1709	g/mil	65
Elmendorf Tear Strength	ASTM D1922	g/mil	MD (TD) 110 (570)
Gloss, 45°	ASTM D523		40
Haze	ASTM D1003	%	35

This material meets the Food and Drug Administration requirements of 21CFR 177.1520.

¹Properties will vary and are not to be used for specification purposes.