

Mapolene 4908 is a bimodal HMW-HDPE polyethylene resin designed for high dart impact strength and good processing characteristics. This resin is well balanced in overall physical properties and provides good stiffness for thin gauge film applications such as T-Shirt Bags, industrial liners, trash can liners and heavy duty bags.

Mapolene 4908

Polyethylene	HLMI	8.5
Blown Film Extrusion	Density	.949

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg - MI)	ASTM D1238	g/10 min	0.04
(190°C/21.6 kg - HLMI)	ASTM D1238	g/10 min	8.50
Density	ASTM D1505	g/cm ³	.949
<i>Nominal Blown Film Properties at 0.5 mil</i>			
Dart Impact	ASTM D1709	g/mil	210
Elmendorf Tear Strength	ASTM D1922	g/mil	14 (MD) / 25 (TD)
Tensile Strength at Break	ASTM D882	psi	9000 (MD) / 4100 (TD)
Elongation	ASTM D882	%	300 (MD) / 410 (TD)

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.

All inquiries regarding this data sheet should be addressed to: 1140 Route 22 East, Suite 109, Bridgewater, NJ 08807 • Phone 908.725.3133 • Fax 908.725.9677

The information contained herein is based upon data believed to be reliable and relates only to the matters specifically contained herein. Although such information is, to the best of our knowledge and belief, accurate and reliable as of the date hereof, no representation, warranty (expressed or implied, of merchantability, fitness or otherwise), or guarantee is made as to the suitability, accuracy, reliability, or completeness of the information. It is the user's responsibility to satisfy itself as to the suitability, accuracy, reliability and completeness of such information for its particular use. There is no warranty against patent infringement, and Mass Polymers Corporation shall not be liable for any loss, damage, or injury that may occur from the use of this information. No statement herein shall be construed as an endorsement of any product or process.