

Mapolene 5502 is a high density polyethylene copolymer resin designed for applications requiring excellent stiffness and stress crack resistance properties. It may be used as a general-purpose blow molding resin or sheet extrusion thermoforming resin. This resin is also available with antistat.

Mapolene 5502

**Polyethylene
Blow Molding**

Melt Index .35
Density .955

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.35
Density	ASTM D1505	g/cm ³	.955
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	4000
Elongation at Break (2 in/min)	ASTM D638	%	>600
Flexural Modulus	ASTM D790	psi	200,000
ESCR Condition B, F ₅₀ (100% Igepal)	ASTM D1693	h	35
Brittleness Temperature	ASTM D 746	°F	<-180

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.