

Mapolene 6007 is a high density polyethylene homopolymer resin designed for critical food packaging requirements. It has excellent stiffness and is tailored for lightweight blow molded containers that require low taste, low aroma transfer and are durable and recyclable for sustainability.

Mapolene 6007

Polyethylene Blow Molding	Melt Index	.70
	Density	.964

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.70
Density	ASTM D1505	g/cm ³	.964
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	4400
Elongation at Break (2 in/min)	ASTM D638	%	>300
Flexural Modulus	ASTM D790	psi	240,000
ESCR Condition B, F ₅₀ (100% Igepal)	ASTM D1693	h	15
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.

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