

Mapolene 6208 is a high density polyethylene homopolymer resin tailored for injection molding applications that require moderate flow, good impact strength, excellent stiffness and are durable and recyclable for sustainability. Typical injection molded applications include crates, tote boxes and structural foam molded parts.

Mapolene 6208

Polyethylene	Melt Index	8
Injection Molding Resin	Density	.962

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	8
Density	ASTM D1505	g/cm ³	.962
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	4700
Elongation at Break (2 in/min)	ASTM D638	%	800
Flexural Modulus	ASTM D790	psi	230,000
ESCR Condition B, F ₅₀ (100% Igepal)	ASTM D1693	h	<10
Brittleness Temperature	ASTM D 746	°F	<-103

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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