

Mapolene 5306 is a high density polyethylene copolymer resin tailored for injection molding applications that require moderate flow, good impact strength, good stiffness and are durable and recyclable for sustainability. Typical injection molded applications include industrial pails, lids and foamed parts.

Mapolene 5306

Polyethylene	Melt Index	6.5
Injection Molding	Density	.953

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	6.5
Density	ASTM D1505	g/cm ³	.953
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	4100
Elongation at Break (2 in/min)	ASTM D638	%	950
Flexural Modulus	ASTM D790	psi	185,000
ESCR Condition B, F ₅₀ (100% Igepal)	ASTM D1693	h	20
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.