

Mapolene 5202 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.

Mapolene 5202

Polyethylene Blow Molding	Melt Index	.35
	Density	.952

Properties ¹	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	.35
Density	ASTM D1505	g/cm ³	.952
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	3900
Elongation at Break (2 in/min)	ASTM D638	%	>600
Flexural Modulus	ASTM D790	psi	190,000
ESCR Condition B, F ₅₀ (100% Igepal)	ASTM D1693	h	50
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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