

Mapolene 5220 is a high density polyethylene copolymer resin tailored for injection molding applications that require good flow, good impact strength, good stiffness and are durable and recyclable for sustainability. Typical injection molded applications include items such as pails, toys and small containers.

## Mapolene 5220

**Polyethylene**  
Injection Molding

Melt Index 20  
Density .952

Properties <sup>1</sup>	ASTM	Units	Value
Melt Index (190°C/2.16 kg)	ASTM D1238	g/10 min	20
Density	ASTM D1505	g/cm <sup>3</sup>	.952
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	3900
Elongation at Break (2 in/min)	ASTM D638	%	300
Flexural Modulus	ASTM D790	psi	175,000
ESCR Condition B, F <sub>50</sub> (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.

<sup>1</sup>Properties 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

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