

Mapolene PPR120 is a medium melt flow, random copolymer polypropylene resin with fast cycle time and easy mold release designed for injection molding applications. The use of an advanced clarifier produces a material with low yellowness index and haze, which makes it an excellent choice for 'see-through' housewares and rigid packaging.

Mapolene PPR120

Polypropylene ~ Random Copolymer	Melt Flow	12
Injection Molding	Izod	1.5

Properties ¹	ASTM	Units	Value
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	12
Density	ASTM D1505	g/cm ³	.900
Tensile Strength at Yield (2 in/min)	ASTM D638	psi	4400
Flexural Modulus (1% Secant)	ASTM D790	psi	155,000
Izod Impact, Notched @73°	ASTM D256	ft-lb/in	1.5
Elongation at Yield	ASTM D638	%	13
Heat Deflection Temperature @66 psi	ASTM D648	°F	194

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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