

## Total PPC 13812 Polypropylene, Heterophasic Copolymer, Injection Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

**Material Notes:**

Polypropylene PPC 13812 is a high fluidity heterophasic copolymer resin with fast nucleation. Polypropylene PPC 13812 is characterized by good stiffness and impact resistance as well as low shrinkage and low warpage. It has been formulated for excellent antistatic properties. Polypropylene PPC 13812 has been developed for high-speed injection molding of thin walled packaging containers and household articles. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPC-13812-Polypropylene-Heterophasic-Copolymer-Injection-Molding.php](http://www.lookpolymers.com/polymer_Total-PPC-13812-Polypropylene-Heterophasic-Copolymer-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.905 g/cc	0.905 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in <sup>3</sup>	ISO 1183
Melt Flow	100 g/10 min @Load 2.16 kg, Temperature 230 °C	100 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ISO 2039-2
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup> @Temperature -20.0 °C	1.67 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	ISO 180
	7.50 kJ/m <sup>2</sup> @Temperature 23.0 °C	3.57 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146

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