

## Total PPC 13442 Polypropylene, Heterophasic Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

ATOFINA Propylene 13442 is a nucleated antistatic heterophasic copolymer. PPC 13442 is characterized by very high fluidity with good mechanical properties. It has been formulated for excellent antistatic properties.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPC-13442-Polypropylene-Heterophasic-Copolymer.php](http://www.lookpolymers.com/polymer_Total-PPC-13442-Polypropylene-Heterophasic-Copolymer.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.525 g/cc	0.0190 lb/in <sup>3</sup>	ISO 1183
Density	0.905 g/cc	0.0327 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	100	100	ISO 2039-2
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527-2
Elongation at Yield	5.0 %	5.0 %	ISO 527-2
Tensile Modulus	1.60 GPa	232 ksi	ISO 527-2
Flexural Modulus	1.50 GPa	218 ksi	ISO 527-2
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact, Notched	0.350 J/cm <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	100 °C	212 °F	120°C per hour; ISO 75-2
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	120°C per hour; ISO 75-2
Vicat Softening Point	80.0 °C	176 °F	50N-50°C per hour; ISO 306
	148 °C	298 °F	10N-50°C per hour; ISO 306

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