

## Total PPM H250 Polypropylene, Homopolymer Medical Grade

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

### Material Notes:

Polypropylene PPM H250 is a narrow molecular weight distribution homopolymer with a Melt Flow Index of 25 g/10 min recommended for the manufacture of medical packaging and medical devices, to the exclusion of implants. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPM-H250-Polypropylene-Homopolymer-Medical-Grade.php](http://www.lookpolymers.com/polymer_Total-PPM-H250-Polypropylene-Homopolymer-Medical-Grade.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	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ISO 2039-2
Tensile Strength, Yield	32.0 MPa	4640 psi	ISO 527-2
Elongation at Yield	<= 10 %	<= 10 %	ISO 527-2
Tensile Modulus	1.35 GPa	196 ksi	ISO 527-2
Flexural Modulus	1.25 GPa	181 ksi	ISO 179
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 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)	95.0 °C	203 °F	120°C per hour; ISO 752
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C per hour; ISO 752
Vicat Softening Point	80.0 °C @Load 5.10 kg	176 °F @Load 11.2 lb	50°C per hour; ISO 306
	148 °C @Load 1.02 kg	298 °F @Load 2.25 lb	50°C per hour; ISO 306

Thermal Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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