

## Total PPH 9082 Polypropylene, Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

ATOFINA Polypropylene PPH 9082 is a controlled-rheology and antistatic homopolymer. PPH 9081 is characterized by a narrow molecular weight distribution and excellent flow properties, providing improved impact resistance and very low warpage for injection. Application ATOFINA Polypropylene PPH 9082 is particularly designed for the injection molding of thin walled articles and has good hinge properties. Information provided provided by Total Petrochemicals. Total Petrochemicals acquired former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPH-9082-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_Total-PPH-9082-Polypropylene-Homopolymer.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	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	92	92	ISO 2039-2
Tensile Strength, Yield	30.0 MPa	4350 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 527-2
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 179
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 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 75-2
Deflection Temperature at 1.8 MPa (264 psi)	52.0 °C	126 °F	120°C per hour; ISO 75-2
Vicat Softening Point	80.0 °C	176 °F	50N-50°C per hour; ISO 306

Thermal Properties	148 °C Metric	298 °F English	10N-50°C per hour; ISO 306 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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