

## ExxonMobil PP1013H1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Product Description:** A homopolymer resin that meets certified requirements for use in Medical and Pharmaceutical applications. **Availability:** Europe and North America **Features:** Autoclave Sterilizable Ethylene Oxide Sterilizable Low Extractables Steam Sterilizable **Uses:** Labware Medical Packaging Medical/Healthcare Applications **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP1013H1-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP1013H1-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2/50
Elongation at Yield	8.0 %	8.0 %	ISO 527-2/50
Tensile Modulus	1.50 GPa	218 ksi	ISO 527-2/1
Flexural Modulus	1.40 GPa	203 ksi	ISO 178
Izod Impact, Notched (ISO)	2.31 kJ/m <sup>2</sup>	1.10 ft-lb/in <sup>2</sup>	ISO 180/1A
Charpy Impact, Notched	0.399 J/cm <sup>2</sup> @Temperature 22.8 °C	1.90 ft-lb/in <sup>2</sup> @Temperature 73.0 °F	Complete Break; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	320 °C	608 °F	ISO 3149
Crystallization Temperature	235 °C	455 °F	ISO 3164
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	52.2 °C	126 °F	ISO 75-2/A
Vicat Softening Point	153 °C	307 °F	ISO 306/A50

## **Contact Songhan Plastic Technology Co.,Ltd.**

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