

## ExxonMobil PP1074KNE1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Product Description:** A nucleated, medium flow rate homopolymer resin with mold release and anti-static properties. It is suitable for general purpose injection molding.  
**Availability:** North America  
**Features:** Autoclave Sterilizable Ethylene Oxide Sterilizable Good Creep Resistance Good Mold Release Good Stiffness Steam Sterilizable  
**Uses:** Bottles Caps Closures Consumer Applications Packaging Processing  
**Method:** Injection Molding  
Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP1074KNE1-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP1074KNE1-Polypropylene-Homopolymer.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ExxonMobil Method
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	38.4 MPa	5570 psi	2.0 in/min; ASTM D638
Elongation at Yield	6.5 %	6.5 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1740 MPa	253000 psi	0.05 in/min; ASTM D790A
	2010 MPa	291000 psi	0.5 in/min; ASTM D790B

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648

## Contact Songhan Plastic Technology Co.,Ltd.

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