

## ExxonMobil PP143KNE1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

**Material Notes:**

Product Description: A high impact copolymer resin designed consumer and industrial applications.Availability: North America

Features:Good ColorabilityGood Dimensional StabilityGood Mold ReleaseGood Thermal StabilityMedium FlowNucleatedUses:

ContainersIndustrial ApplicationsPalletsProcessing Method: Injection MoldingInformation provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-PP143KNE1-Polypropylene-Homopolymer.php](http://www.lookpolymers.com/polymer_ExxonMobil-PP143KNE1-Polypropylene-Homopolymer.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3040 psi	2.0 in/min; ASTM D638
Elongation at Yield	5.1 %	5.1 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1100 MPa	159000 psi	0.5 in/min; ASTM D790A
Izod Impact, Notched	NB	NB	ASTM D256A
Gardner Impact	33.8 J @Thickness 3.17 mm, Temperature -28.9 °C	24.9 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	91.1 °C	196 °F	ASTM D648

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