

ExxonMobil PP1063L1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A homopolymer resin designed for general use. It is suitable for masterbatch carrier and other compounding applications and for the molding of caps, cups, containers and other consumer products. **Availability:** Africa & Middle East and Europe **Uses:** CapsClosuresCompoundingConsumer ApplicationsContainersCupsProcessing Method: Injection Molding and CompoundingInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1063L1-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 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	ISO527-2/1
Flexural Modulus	1.35 GPa	196 ksi	ISO 178
Izod Impact, Notched (ISO)	2.52 kJ/m ²	1.20 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.357 J/cm ²	1.70 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	320 °C	608 °F	ISO 3146
Crystallization Temperature	235 °C	455 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	87.2 °C	189 °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

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