

ExxonMobil PP1364E2 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A medium melt flow homopolymer resin suitable for masterbatch carrier and other compounding applications and for the molding of garden furniture, caps and other consumer products. **Availability:** Africa & Middle East and Europe **Uses:**

CapsClosuresCompoundingConsumer ApplicationsCupsFurnitureProcessing **Method:** Injection Molding and Compounding **Information** provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1364E2-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	71	71	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	1.45 GPa	210 ksi	ISO527-2
Flexural Modulus	1.35 GPa	196 ksi	ISO 178
Izod Impact, Notched (ISO)	1.99 kJ/m ²	0.950 ft-lb/in ²	ISO 180/1A
Charpy Impact, Notched	0.294 J/cm ²	1.40 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	320 °C	608 °F	ISO 3146
Crystallization Temperature	237 °C	459 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ISO 75-2/B
Deflection Temperature at 1.8 MPa (264 psi)	51.1 °C	124 °F	ISO 75-2/A
Vicat Softening Point	153 °C	307 °F	ISO 306/A50

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