

ExxonMobil PP1304E3 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A homopolymer resin designed for injection molding applications requiring excellent flow and good mechanical properties. It is designed for caps and closures, general applications such as toys, electric appliances, packaging and thin walled parts. **Availability:** Africa & Middle East and Asia Pacific **Uses:** Consumer Applications Crates Furniture Industrial Applications

Packaging/Tool/Tote Box Processing Method: Compounding and Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1304E3-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ISO 868
Tensile Strength, Yield	33.0 MPa	4790 psi	ISO 527-2/1A/50
Elongation at Yield	9.0 %	9.0 %	ISO 527-2/1A/50
Tensile Modulus	1.42 GPa	206 ksi	ISO 527-2/1A/1
Flexural Modulus	1.33 GPa	193 ksi	0.079 in/min; ISO 178
Charpy Impact, Notched	0.336 J/cm ²	1.60 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	318 °C	604 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	78.9 °C	174 °F	ISO 75-2/B

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