

ExxonMobil PP1024E4 Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Product Description: Medium melt flow rate homopolymer. Particularly suitable for general purpose injection molding
Availability: North America
Features: Autoclave Sterilizable
Ethylene Oxide Sterilizable
General Purpose
High Flow
High Isotactic
Steam Sterilizable
Uses: Automotive Applications
Cast Film
Compounding
Consumer Applications
Medical/Healthcare Applications
Packaging
Processing Method: Injection Molding
Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1024E4-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.3 MPa	5120 psi	2 in/min; ASTM D638
Flexural Modulus, 1% Secant	1530 MPa	222000 psi	0.05 in/min; ASTM D790A
	1740 MPa	252000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.283 J/cm	0.530 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	190 - 218 °C	374 - 424 °F	Typical

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