

ExxonMobil PP1572 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A nucleated homopolymer resin designed for general-purpose compression molding of articles such as caps and closures. It exhibits excellent strength and high crystallization temperature. **Availability:** North America **Features:** Autoclave

Sterilizable: Ethylene Oxide Sterilizable **Good Mold Release:** High Slip **Low Emissions:** Uses: Caps, Closures, Containers, Packaging, Pails, Rigid

Packaging: Processing Method: Compression Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1572-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.4 MPa	5420 psi	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1770 MPa	257000 psi	0.05 in/min; ASTM D790A
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	233 °F	ASTM D648

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