

ExxonMobil PP7414 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A medium impact strength copolymer resin designed for injection-molded automotive applications requiring medium melt flow rate.
Availability: North America **Features:** Impact Modified Medium Flow Medium Impact Resistance **Uses:** Automotive Applications Compounding Consumer Applications Toys **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7414-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	22.2 MPa	3220 psi	2.0 in/min; ASTM D638
Elongation at Yield	6.2 %	6.2 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1030 MPa	150000 psi	0.05 in/min; ASTM D790A
	1180 MPa	171000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	1.76 J/cm	3.30 ft-lb/in	ASTM D256A
Gardner Impact	24.0 J	17.7 ft-lb	Geometry GC; ASTM D5420
	@Thickness 3.17 mm, Temperature -28.9 °C	@Thickness 0.125 in, Temperature -20.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

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