

ExxonMobil AX03BE3 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A high crystallinity, medium impact copolymer resin designed for injection-molded automotive interior applications and large appliance parts applications requiring high melt flow rate and excellent processing attributes. **Availability:** North America

Features: Fast Molding Cycle Good Flow Good Stiffness Impact Modified Nucleated **Uses:** Appliances Automotive Applications Automotive Interior Parts Compounding Consumer Applications Industrial Applications **Processing Method:** Injection Molding **Information provided by:** ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-AX03BE3-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.2 MPa	3650 psi	2.0 in/min; ASTM D638
Elongation at Yield	4.7 %	4.7 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1350 MPa	196000 psi	0.05 in/min; ASTM D790A
	1530 MPa	222000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.854 J/cm	1.60 ft-lb/in	ASTM D256A
Gardner Impact	21.5 J @Thickness 3.17 mm, Temperature -28.9 °C	15.8 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	108 °C	227 °F	ASTM D648

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