

ExxonMobil PP8255E1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A high crystallinity, medium impact copolymer resin designed for compounded and injection molded applications requiring high melt flow rate and excellent processing attributes. Availability: North America Features: Balanced Stiffness/Toughness Good Heat Aging Resistance Good Impact Resistance Good Processability Medium Molecular Weight Nucleated Uses: Appliances Automotive Applications Compounding Processing Method: Blow Molding, Compound and Injection Molding Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP8255E1-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3040 psi	2.0 in/min; ASTM D638
Elongation at Yield	3.9 %	3.9 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1190 MPa	173000 psi	0.05 in/min; ASTM D790A
	1370 MPa	198000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	1.92 J/cm	3.60 ft-lb/in	ASTM D256A
Gardner Impact	27.7 J @Thickness 3.17 mm, Temperature -28.9 °C	20.4 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)	96.1 °C	205 °F	ASTM D648

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