

ExxonMobil PP7815E1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A high crystallinity, low impact strength copolymer resin designed for compounding base or injection molding applications requiring high melt flow rate. **Availability:** North America **Features:** High Stiffness Impact Modified Medium Flow Nucleated **Uses:** Automotive Applications Compounding **Processing Method:** Injection Molding and Blow Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7815E1-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	35 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	34.4 MPa	4990 psi	2.0 in/min; ASTM D638
Elongation at Yield	3.9 %	3.9 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1830 MPa	266000 psi	0.05 in/min; ASTM D790A
	2070 MPa	300000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	123 °C	253 °F	ASTM D648

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