

ExxonMobil PP7905E1 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 very high melt flow rate. Availability: North America Features: High Flow High Stiffness Nucleated Uses: Automotive Applications Compounding Processing Method: Injection Molding Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7905E1-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	100 g/10 min	100 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	33.0 MPa	4790 psi	2.0 in/min; ASTM D638
Elongation at Yield	4.4 %	4.4 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1750 MPa	254000 psi	0.05 in/min; ASTM D790A
	2010 MPa	292000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.326 J/cm	0.610 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	121 °C	250 °F	ASTM D648

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