

ExxonMobil PP5341E1 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A low melt flow rate that provides high melt strength and resistance to softening at elevated temperature. Availability: North America Features: Low Flow Uses: Automotive Applications Industrial Applications Processing Method: Blow Molding, Compounding, Injection Molding, Sheet Extrusion and Thermoforming Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP5341E1-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	0.83 g/10 min @Load 2.16 kg, Temperature 230 °C	0.83 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	32.0 MPa	4640 psi	2.0 in/min; ASTM D638
Elongation at Yield	13 %	13 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1190 MPa	172000 psi	0.05 in/min; ASTM D790A
	1390 MPa	201000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.523 J/cm	0.980 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	83.9 °C	183 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	51.7 °C	125 °F	ASTM D648

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