

ExxonMobil PP1105E1 Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Product Description: High melt flow rate homopolymer. Particularly suitable for general purpose injection molding. **Availability:** North America **Features:** Controlled Rheology General Purpose Good Processability High Flow Narrow Molecular Weight **Uses:** Automotive Applications Consumer Applications Fabrics Fibers Nonwovens Packaging **Processing Method:** Compounding and Injection Blow Molding **Information provided by ExxonMobil Chemical**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP1105E1-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
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	35.4 MPa	5130 psi	2 in/min; ASTM D638
Elongation at Yield	23 %	23 %	ExxonMobil Method
Flexural Modulus	1.47 GPa	213 ksi	1% secant, 0.05 in/min.; ASTM D790A
Izod Impact, Notched	0.294 J/cm	0.550 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

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