

ExxonMobil PP7505KNE2 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A medium to high impact copolymer designed for injection molded large consumer and industrial parts requiring high melt flow rate.
Availability: North America
Features: Balanced Stiffness/Toughness Fast Molding Cycle Good Colorability Good Processability Good Surface Finish Good Thermal Stability High Flow Medium Impact Resistance
Uses: Automotive Applications Consumer Applications Containers Household Goods Tool/Tote Box
Processing Method: Injection Molding
 Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP7505KNE2-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 230 °C	50 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	4.7 %	4.7 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1080 MPa	156000 psi	0.05 in/min; ASTM D790A
	1210 MPa	176000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256A
Gardner Impact	25.6 J @Thickness 3.17 mm, Temperature -28.9 °C	18.9 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)	94.4 °C	202 °F	ASTM D648

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