

Polyram RamOfin PPC104 Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Heat stabilized polypropylene copolymer for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPC104-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ISO 2577
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 230 °C	0.40 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	35.0 MPa	5080 psi	ISO 527
Elongation at Break	115 %	115 %	ISO 527
Flexural Strength	35.0 MPa	5080 psi	ISO 178
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	14.0 kJ/m ²	6.66 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	86.0 °C	187 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	53.0 °C	127 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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