

Polyram RamOfin PPH106 Polypropylene, Injection Molding

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

Material Notes:

polypropylene with molybdenum for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPH106-Polypropylene-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM-D785
Tensile Strength, Yield	35.0 MPa	5080 psi	ASTM-D638
Elongation at Break	80 %	80 %	ASTM-D638
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	1.50 GPa	218 ksi	ASTM-D790
Izod Impact, Notched	0.500 J/cm @Temperature 23.0 °C	0.937 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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