

Polyram RamOfin PPH301G6NT Polypropylene, 30% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

30% Glass fiber reinforced polypropylene for injection molding applications. Approved and listed by WRAS Potable Water.Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPH301G6NT-Polypropylene-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0010 - 0.0040 cm/cm	0.0010 - 0.0040 in/in	ISO 2577
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	90.0 MPa	13100 psi	ISO 527
Elongation at Break	3.0 %	3.0 %	ISO 527
Tensile Modulus	6.00 GPa	870 ksi	ISO 527
Flexural Strength	105 MPa	15200 psi	ISO 178
Flexural Modulus	5.70 GPa	827 ksi	ISO 178
Izod Impact, Notched (ISO)	12.5 kJ/m ²	5.95 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 11357
Maximum Service Temperature, Air	110 °C	230 °F	Continuous use
	140 °C	284 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	153 °C	307 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ISO 75
Flammability, UL94	HB	HB	
Flame Spread	9.0 mm/min	0.35 in/min	FMVSS302

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