

Polyram RamOfin PPH300G8 Polypropylene, 40% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

Material Notes:

40% glass fiber reinforced polypropylene 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-PPH300G8-Polypropylene-40-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 230 °C	2.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM-D785
Tensile Strength, Yield	95.0 MPa	13800 psi	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	140 MPa	20300 psi	ASTM D790
Flexural Modulus	6.50 GPa	943 ksi	ASTM-D790
Izod Impact, Notched	1.00 J/cm @Temperature 23.0 °C	1.87 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
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	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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