

Polyram RamOfin PPH300G9 Polypropylene, 45% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Glass Fiber Filler

Material Notes:

45% 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-PPH300G9-Polypropylene-45-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 230 °C	4.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM-D638
Elongation at Break	2.0 %	2.0 %	ASTM-D638
Tensile Modulus	10.0 GPa	1450 ksi	ASTM-D790
Flexural Strength	140 MPa	20300 psi	ASTM D790
Flexural Modulus	7.50 GPa	1090 ksi	ASTM-D790
Izod Impact, Notched	1.10 J/cm @Temperature 23.0 °C	2.06 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
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)	150 °C	302 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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