

Polyram RamOfin PPC365T8 Polypropylene, 40% Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

Material Notes:

40% mineral filled, heat stabilized 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-PPC365T8-Polypropylene-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 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	ASTM-D638
Elongation at Break	3.0 %	3.0 %	ASTM-D638
Flexural Strength	55.0 MPa	7980 psi	ASTM D790
Flexural Modulus	2.90 GPa	421 ksi	ASTM-D790
Izod Impact, Notched	0.750 J/cm @Temperature 23.0 °C	1.41 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
	120 °C	248 °F	Short peaks operation
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	DIN 53461
Vicat Softening Point	140 °C	284 °F	ASTM-D1525
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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