

Polyram RamOfin PPC359T4 Polypropylene, 20% Mineral Filled

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

Material Notes:

20% mineral filled, heat stabilized and impact modified for 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-PPC359T4-Polypropylene-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4210 psi	ASTM-D638
Elongation at Break	60 %	60 %	ASTM-D638
Tensile Modulus	2.40 GPa	348 ksi	ASTM-D790
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM-D790
Izod Impact, Notched	0.600 J/cm @Temperature 23.0 °C	1.12 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)	59.0 °C	138 °F	DIN 53461
Vicat Softening Point	140 °C	284 °F	ASTM-D1525
	HB	HB	

Flammability UL 94
Thermal Properties

Metric
@ Thickness 3.00 mm

English
@ Thickness 0.118 in

Comments

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