

Polyram RamOfin PPC342M6 Polypropylene, 30% Mineral Filled

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

Material Notes:

30% mineral filled, heat resistant 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-PPC342M6-Polypropylene-30-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DIN 53479
Linear Mold Shrinkage	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	
Melt Flow	6.5 g/10 min @Load 2.16 kg, Temperature 230 °C	6.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	ASTM-D638
Elongation at Break	35 %	35 %	ASTM-D638
Tensile Modulus	4.20 GPa	609 ksi	ASTM-D790
Flexural Strength	45.0 MPa	6530 psi	ASTM D790
Flexural Modulus	2.80 GPa	406 ksi	ASTM-D790
Izod Impact, Notched	0.450 J/cm @Temperature 23.0 °C	0.843 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
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
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