

Polyram RamOfin PPC350M6 Polypropylene, 30% Mineral Filled

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

Material Notes:

30% Mineral filled, heat stabilized polypropylene for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPC350M6-Polypropylene-30-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ISO 2577
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Tensile Modulus	3.00 GPa	435 ksi	ISO 527
Flexural Strength	40.0 MPa	5800 psi	ISO 178
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Izod Impact, Notched (ISO)	5.50 kJ/m ²	2.62 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 11357
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)	120 °C	248 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	ISO 75
Vicat Softening Point	80.0 °C	176 °F	ISO 306
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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