

Polyram RamOfin PPH343T8 Polypropylene, 40% Mineral Filled

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

Material Notes:

40% Mineral filled polypropylene for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPH343T8-Polypropylene-40-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	ISO 2577
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527
Elongation at Break	5.0 %	5.0 %	ISO 527
Tensile Modulus	3.60 GPa	522 ksi	ISO 527
Flexural Strength	50.0 MPa	7250 psi	ISO 178
Flexural Modulus	3.80 GPa	551 ksi	ISO 178
Izod Impact, Notched (ISO)	15.5 kJ/m ²	7.38 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	168 °C	334 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	133 °C	271 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	
Flame Spread	22 mm/min	0.87 in/min	FMVSS302

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