

Polyram RamOfin PPH343T4BK10 Polypropylene, 20% Mineral Filled

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

Material Notes:

20% Mineral filled, heat resistant polypropylene for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamOfin-PPH343T4BK10-Polypropylene-20-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.011 - 0.015 cm/cm	0.011 - 0.015 in/in	ISO 2577
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 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	ISO 527
Elongation at Break	25 %	25 %	ISO 527
Tensile Modulus	2.50 GPa	363 ksi	ISO 527
Flexural Strength	55.0 MPa	7980 psi	ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Izod Impact, Unnotched (ISO)	51.0 kJ/m ²	24.3 ft-lb/in ²	ISO 180
Charpy Impact, Notched	0.280 J/cm ²	1.33 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	168 °C	334 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	154 °C	309 °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	22.1 mm/min	0.870 in/min	FMVSS302

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