

Polyram RamTal PM3009G4 Polyacetal for Injection Molding, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 20% Glass Fiber Reinforced

Material Notes:

20% Glass fiber reinforced polyacetal for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTal-PM3009G4-Polyacetal-for-Injection-Molding-20-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183
Water Absorption at Saturation	0.20 %	0.20 %	ISO 62
Linear Mold Shrinkage	0.0040 - 0.010 cm/cm	0.0040 - 0.010 in/in	ISO 2577
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 180 °C	6.0 g/10 min @Load 4.76 lb, Temperature 356 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	115 MPa	16700 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Flexural Strength	170 MPa	24700 psi	ISO 178
Flexural Modulus	5.00 GPa	725 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m ²	2.86 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	165 °C	329 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093

Surface Resistance Electrical Properties	1.00e+12 ohm Metric	1.00e+12 ohm English	IEC 60093 Comments
Dielectric Strength	20.0 kV/mm	508 kV/in	IEC 60250

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