

Polyram RamTal PMH2003 Polyacetal Homopolymer for Injection Molding

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Unreinforced

Material Notes:

General purpose polyacetal homopolymer for injection molding applications, MFI 3. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTal-PMH2003-Polyacetal-Homopolymer-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.018 - 0.022 cm/cm	0.018 - 0.022 in/in	ISO 2577
Melt Flow	2.8 g/10 min @Load 2.16 kg, Temperature 190 °C	2.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	70.0 MPa	10200 psi	ISO 527
Elongation at Break	55 %	55 %	ISO 527
Tensile Modulus	3.20 GPa	464 ksi	ISO 527
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	ISO 75
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

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