

Polyram RamTal PM3009G5 Acetal, 25% Glass Fiber

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

Material Notes:

25% Glass fiber reinforced polyacetal for injection molding applications. Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTal-PM3009G5-Acetal-25-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	DIN 53479
Water Absorption	0.20 %	0.20 %	DIN 53495
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	100 MPa	14500 psi	ASTM-D638
Elongation at Break	2.0 %	2.0 %	ASTM-D638
Flexural Strength	150 MPa	21800 psi	ASTM-D790
Flexural Modulus	3.40 GPa	493 ksi	ASTM-D790
Izod Impact, Notched	0.700 J/cm @Temperature 23.0 °C	1.31 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	DIN 53482
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	DIN 53482
Dielectric Strength	20.0 kV/mm	508 kV/in	VDE 0303/4

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