

Polyram RamTal PM3007G2 Polyacetal for Injection Molding, 10% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 10% Glass Fiber Reinforced

Material Notes:

10% 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-PM3007G2-Polyacetal-for-Injection-Molding-10-Glass-Fiber-Reinforced.php

| Physical Properties | Metric | English | Comments |
|--------------------------------|---|---|----------|
| Density | 1.46 g/cc | 0.0527 lb/in ³ | ISO 1183 |
| Water Absorption at Saturation | 0.20 % | 0.20 % | ISO 62 |
| Linear Mold Shrinkage | 0.0070 - 0.012 cm/cm | 0.0070 - 0.012 in/in | ISO 2577 |
| Melt Flow | 10 g/10 min @Load 2.16 kg, Temperature 190 °C | 10 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 | 3.0 % | 3.0 % | ISO 527 |
| Flexural Strength | 100 MPa | 14500 psi | ISO 178 |
| Flexural Modulus | 3.00 GPa | 435 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 4.50 kJ/m ² | 2.14 ft-lb/in ² | ISO 180 |

| Thermal Properties | Metric | English | Comments |
|--------------------|--------------------------|---------------------------|-----------|
| Melting Point | 165 °C | 329 °F | ISO 11357 |
| 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 | 1.00e+12 ohm | 1.00e+12 ohm | IEC 60093 |
| Dielectric Strength | 20.0 kV/mm | 508 kV/in | IEC 60250 |

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