

Technical Data Sheet

Percom KHG10 NAT 0-0259



Polypropylene, Homopolymer

Product Description

Percom KHG10 NATURAL 0-0259 is a Polypropylene Homopolymer Glass Fiber, 10% filled material and is typically used in Injection Molding applications. Features include: Homopolymer.

Processing Method Injection Molding

Attribute Homopolymer

Filler/Reinforcement Glass Fiber, 10%

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|----------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 7.0 | g/10 min | ISO 1133 |
| Density | 0.97 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| Tensile Stress at Yield | 60 | MPa | ISO 527-2 |
| Tensile Strain at Yield | 3.5 | % | ISO 527-2 |
| Tensile Modulus | 6150 | MPa | ISO 527-1 |
| Flexural Stress | 48.0 | MPa | ISO 178 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C) | 8.0 | kJ/m ² | ISO 179 |
| (-20 °C) | 5.0 | kJ/m ² | ISO 179 |
| Notched Izod Impact Strength, (23 °C, Type 1, Notch A) | 7.0 | kJ/m ² | ISO 180 |
| Hardness | | | |
| Ball Pressure Test, (125 °C) | Pass | | IEC 60695-10-2 |
| Thermal | | | |
| Vicat Softening Temperature, (A (10N), 50 °C/h) | 148 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 134 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 112 | °C | ISO 75-2/A |
| Flammable | | | |
| Burning Rate | 40 | mm/min | ISO 3795 |
| (FMVSS 302) | 40 | mm/min | FMVSS 302 |
| UL Information | | | |
| Flame Rating | HB | | UL 94 |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2.0 to 3.0 | hr |
| Drying Temperature | 80 | °C |
| Processing (Melt) Temp | 220 to 260 | °C |
| Mold Temperature | 30 to 60 | °C |