

## 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.

#### Regulatory Status

For regulatory compliance information, see Percom KHG10 NAT 0-0259 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Status               | Limited Issue                                                          |
| Availability         | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| Processing Method    | Injection Molding                                                      |
| Attribute            | Homopolymer                                                            |
| Filler/Reinforcement | Glass Fiber, 10%                                                       |

| Typical Properties                                      | Nominal Value | Units             | Test Method    |
|---------------------------------------------------------|---------------|-------------------|----------------|
| <b>Physical</b>                                         |               |                   |                |
| Melt Flow Rate, (230 °C/2.16 kg)                        | 7.0           | g/10 min          | ISO 1133       |
| Density                                                 | 0.97          | g/cm <sup>3</sup> | ISO 1183       |
| <b>Mechanical</b>                                       |               |                   |                |
| 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        |
| <b>Impact</b>                                           |               |                   |                |
| Charpy Impact Strength - Notched                        |               |                   |                |
| (23 °C)                                                 | 8.0           | kJ/m <sup>2</sup> | ISO 179        |
| (-20 °C)                                                | 5.0           | kJ/m <sup>2</sup> | ISO 179        |
| Notched Izod Impact Strength, (23 °C, Type 1, Notch A)  | 7.0           | kJ/m <sup>2</sup> | ISO 180        |
| <b>Hardness</b>                                         |               |                   |                |
| Ball Pressure Test, (125 °C)                            | Pass          |                   | IEC 60695-10-2 |
| <b>Thermal</b>                                          |               |                   |                |
| 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     |
| <b>Flammable</b>                                        |               |                   |                |
| Burning Rate                                            | 40            | mm/min            | ISO 3795       |
| (FMVSS 302)                                             | 40            | mm/min            | FMVSS 302      |
| <b>UL Information</b>                                   |               |                   |                |
| 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    |

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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