Material: iglidur® I180-PF

1) General

The material “iglidur® I180-PF”, developed by igus®, was developed and tested solely for the “Fused-Deposition-Modeling” (FDM) manufacturing method.

2) Example processing parameters

The optimal processing parameters depend on the following:

- FDM printer used
- Printing speed
- Other variables

Therefore, the optimal processing parameters may differ depending on existing conditions. For example, at the igus® laboratory, printing was successfully performed with the following parameters:

- Nozzle temperature: 220°C
- Print bed temperature: 95°C

To ensure adhesion between the print bed and the printing material, glass covered with Kapton tape or perforated sheets were used and good adhesion was determined. Other methods/materials could also work, for example PET film on glass or printing plates.

3) Further processing instructions:

Please ensure good ventilation or suction during processing. In addition, please wear appropriate protective gear when handling the hot melt.

The material may not be heated to a temperature higher than 280 °C. If the material is heated to a temperature above 300 °C, dangerous decomposition products are released.

Based on the supplier’s experience and the information provided by the supplier, the product has no adverse health effects if properly handled and used in accordance with the intended purpose.