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 various printing-conditions. Therefore the recommended temperature-fields are:

- Nozzle temperature: 220 – 250 °C
- Print bed temperature: 90 – 110 °C

3) Adhesion

Standard procedures which are used to assure adhesion (of standard ABS materials) on the printing bed can be applied.

The following methods were so far successfully tested:

- Blue-Tape glued glass (e.g. Scotch 2090) and apply glue (e.g. Pritt Power) on it
- Perforated plate (e.g. dot matrix board made of hard paper without Cu coating)
- Permanent printing plates (Polyimid is impregnated on aluminium plates)
- Kapton-Tape glued glass (previously cleaned with acetone)

4) 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.