

# FIL-A-GEHR<sup>®</sup>

Filaments for professional 3D printing



 PPSU

  
MEDI-GEHR<sup>®</sup>

**MEDI-FIL-A-GEHR PPSU MG®** is suitable for medical and pharmaceutical applications in direct body contact with tissue, bone, skin and mucous membrane up to 24 hours. They have been tested and evaluated by independent, accredited test laboratories and meet the following biocompatibility requirements:

- » ISO 10993-5: Tests for in vitro cytotoxicity
- » ISO 10993-18: Chemical characterization of materials
- » USP Class VI



**FEATURES FIL-A-GEHR**

- » Highest precision in diameter and roundness
- » Filaments made of high-quality raw materials
- » Compatible with all open-system 3D printers
- » Low-emission and odour free
- » Void-free
- » Good layer adhesion
- » Ideal flow behaviour while printing
- » Carefully spooled and packed in easy to use aluminium-laminated resealable zip bags

**PRODUCT RANGE**

diameter	1 kg spool (~2,2 lbs)	0,5 kg spool (~2,2 lbs)
1.75 mm 0.07"	●	●

Colours: ● black



**DISTINCTIVE FEATURES MEDI-FIL-A-GEHR PPSU MG®**

- » High strength and rigidity
- » Very high toughness (also at low temperatures)
- » Very good dimensional stability
- » Very high chemical resistance
- » High operating temperature (approx. +170 °C)
- » Very good sterilizability
- » Pressure nozzle temperature 390-410°C, printing plate temperature 220°C
- » Printing room temperatur 170-210°C

**TYPICAL APPLICATIONS**

- » Instruments for microinvasive surgery
- » Pump impellers, pump parts
- » Sterilization cassettes



**GEHR, Specialist In Plastics – Premium Quality Since 1932**

We extrude thermoplastic semi-finished materials and rank amongst the global leading producers of technical semi-finished products. FIL-A-GEHR® expands our product range with plastic filaments for 3D printers. GEHR produces the filaments in Mannheim and has been representing innovation and premium quality since 1932.