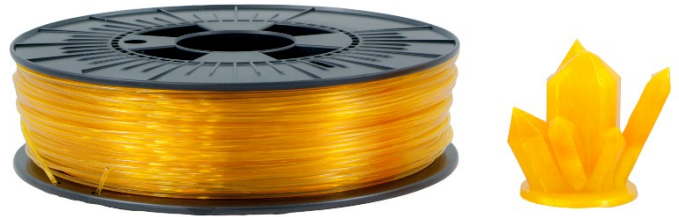


# G-Fil

G-Fil is a strong, high clarity, odor neutral and easy to print filament for 3D printing. These characteristics, together with the high impact strength, excellent flexibility and practically no shrinkage make G-Fil an excellent material which combines the advantages of both PLA and ABS. In short, G-Fil has many great features and is the perfect addition to any filament assortment.

## Material features:

- High clarity
- Strong & Flexible
- Almost no “warping”
- Food Contact Acceptable
- Odor neutral printing



## Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

## Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFR 190°C/2,16 kg	ISO 1133	6,4 gr/10 min
Tensile strength at yield	ISO 527	50 Mpa
Strain at yield	ISO 527	6%
Strain at break	ISO 527	23%
Tensile Modulus	ISO 527	2020 MPa
Flexural modulus	ISO 178	2050 MPa
Flexural strength	ISO 178	69 MPa
Impact strength - Charpy method 23°C	ISO 179	8,1 kJ/m2
Rockwell Hardness	ASTM D785	105
Moisture absorption	ISO 62	1104 ppm
Printing temp.	eM-T	240±10°C
Heat Deflection Temp	ASTM 648	70°C
Transparency	ASTM D1003	90%

## Additional info:

Low hygroscopic , printable without drying, but drying improves printing performance.  
 Recommended temperature for heated bed is ± 60-80°C. Adhesion is possible on different surfaces.  
 G-Fil can be used on all common desktop FDM or FFF technology 3D printers.  
 Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.