



Product datasheet

Glassbend

GLASSBEND is a crystal clear, strong, flexible and easy to print filament for 3D printing. These characteristics, together with the high degree of gloss, very low water absorption, practically no shrinkage or warping, very good interlayer adhesion and flame retardant properties make it a very special filament. The material is FCA (Food Contact Acceptable) approved. In short, a very diverse filament which can be used for many applications.

Dimensions

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

Physical properties

Description	Testmethod	Typical value
Specific gravity	ASTM D792	1,06 g/cc
MFR 220°C/Kg	ASTM D1238-	12 g/10 min
Tensile strength	ASTM D638	39.2 MPa
Strain at break	ASTM D638	35%
Flexural Modulus	ASTM D790	1830 MPa
Impact Strength Izod method 23 °C	ISO 180/A	17 KJ/m ²

Thermal properties

Description	Testmethod	Typical value
printing temp.	-	220-260 °C
melting temp.	ISO 294	210 -240 °C
Heat Deflection temp.	ASTM 648	± 82 °C
Transparency.	ASTM D1003	90%

Features:

- **92% light transmission, so very bright**
- **Strong and flexible**
- **Very good interlayer adhesion**
- **No 'wit-print' at bow**
- **Food Contact Acceptable**
- **Almost no "warping"**

Colours:

GLASSBEND is available from stock in clear

Additional info: Recommended temperature for heated bed is ± 70-90 °C. Adhesion is possible on different surfaces.

GLASSBEND 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