

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.

Material features:

- 92% light transmission, so very bright
- Strong and flexible
- Very good interlayer adhesion
- No crazing when bent
- Food Contact Acceptable
- Almost no "warping"



Colours:

GLASSBEND is available from stock in clear. Other colours on request

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Packaging:

GLASSBEND is available in nearly any type of packaging and labeling. Ask our team to help you customizing your product.

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	1,01 g/cc
MFI 200°C/5 kg	ISO 1133	7,5 g/10 min
Tensile strength at yield	ISO 527	26 MPa
Elongation strain at break	ISO 527	230%
Flexural modulus	ISO 178	1795 MPa
Instr. dart impact (23°C, 3,18mm TE)	ASTM 3763	40,0J
Shore D hardness	ISO 868	63
Light transmission	ASTM D1003	92%
Printing temp.	Internal method	270±10°C
Melting temp.	ISO 294	205±30°C
Vicat softening temp.	ISO 306 A50	85°C

Additional info:

Recommended temperature for heated bed is ≥100°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.

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