

# GLASSBEND @df

GLASSBEND @df 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.

## Kenmerken:

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



## 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	1,01 g/cc
MFR 200°C/5kg	ASTM D1238	7,5 g/10 min
Tensile strength	ASTM D638	26,2 Mpa
Elongation at break	ASTM D638	230%
Flexural modulus	ASTM D790	1795 Mpa
Instr. Dart Impact (23°C, 3,18mm TE)	ASTM D3763	40,0 J
Shore D Hardness	ASTM D2240	63
Light Transmission	ASTM D1003	92%

## Thermal & optical properties

Description	Testmethod	Typical value
printing temp.	-	235-250°C
melting temp.	ISO 294	177-232°C
vicat softening temp.	ASTM D1525	± 85°C

## Colours:

GLASSBEND @df is available from stock in clear. For other (translucent) colours a minimum of 40 kg ± 10% is required.



## Packaging:

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

## Additional info:

Recommended temperature for heated bed is ± 70-90°C. Adhesion is possible on different surfaces. GLASSBEND @df 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.