

MakerPoint GLASSBEND

MakerPoint GLASSBEND is a crystal clear, strong and flexible filament. It has a 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 and easy to use filament. The material is FCA (Food Contact Acceptable) approved, so it is safe to use. Glassbend a very diverse filament that can be used for many applications.

Features:

- 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%

Colors
MakerPoint GLASSBEND is available from stock in clear. Non stock colors are available upon request with a minimum order quantity of 20kg.

3D-printing	
Description	Typical value
Printing technology	FFF
Printing temp.	235-250°C
Heated bed temp.	± 70-90°C
Cooling fan	100%
Flow Rate	100%

Physical properties		
Description	Test method	Typical value
Density	ASTM D792	1,01 g/cc
MFR	ASTM D1238	7,5 g/10 min
Tensile strength	ASTM D638	26,6 MPa
Elongation at break	ASTM D638	230%
Fluxural modulus	ASTM D790	1795 MPa
Instr. Dart Impact	ASTM D3763	40,0 J
Shore D Hardness	ASTM D1003	63
Light Transmission	ASTM D1003	92%

Last change: 2014-03-31

The data correspond to our knowledge and experience at the time of publication. They do not on their own represent a sufficient basis for any part design, neither do they provide any agreement about or guarantee the specific properties of a product or part or the suitability of a product or part for a specific application. It is the responsibility of the producer or customer of a part to check its properties as well as its suitability for a particular purpose. This also applies regarding the consideration of possible intellectual property rights as well as laws and regulations. The data are subject to change without notice as part of MakerPoints continuous development and improvement processes.

Thermal properties		
Description	Test method	Typical value
Melting temp.	ISO 294	177-232°C
Vicat softening temp.	ISO 306	± 85°C

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