

Source: <https://www.verbatim-europe.co.uk/en/prod/verbatim-bvoh-filament-175-mm--natural-white-55901/>

BRAND: Verbatim

NAME: Verbatim BVOH

Product Information

- Butenediol Vinyl Alcohol Co-polymer (BVOH) for material extrusion
- Water dissolvable support material
- Waste can be disposed with household effluent**
- Excellent layer-forming, emulsifying, adhesive
- Best in combination with ABS, PLA, and PET material
- Light- and UV-sensitive
- High solubility
- Main applications: Support material for filaments, printing projects with overhangs or complex objects
- Made in Japan.

**>20 times weight of water to this material required for disposal (i.e >20cc water to 1g BVOH) with a maximum of 2kg of BVOH per day. When more BVOH is to be used per day, professional organic effluent treatment will be required.

Product Specifications

Diameter accuracy:	1.75 mm ± 0.07 mm
Material Net Weight:	0.5 kg
Filament Length:	182 m
Melt temperature:	176 °C
Melt Flow Rate @ 230 °C, 21.1N:	7.5 g/(10 minutes)
Density:	1.14 g/cm ³
Viscat softening temperature:	92 °C
Glass transition temperature:	68 °C
Flexural Strength:	71 MPa
Flexural Modulus:	2900 MPa
Tensile Strength:	45 MPa
Tensile Elasticity:	9.0%
Spool Dimensions:	
<i>Spool Diameter:</i>	200 mm
<i>Spool Depth:</i>	72 mm
<i>Hub Diameter:</i>	102 mm
<i>Hub Hole Diameter:</i>	51 mm

Recommended printer set up

Extrusion temperature:200-220 °C

Bed temperature: 60 °C

Printing speed: 30 mm/s