



BVOH Filament

- Butenediol Vinyl Alcohol Co-polymer (BVOH) for material extrusion (ME)
- Water dissolvable support material
- Waste can be disposed with household effluent**
- Excellent layer-forming, emulsifying, adhesive
- Best in combination with Verbatim 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



Product Specifications

Test Method

Diameter accuracy	± 0.07mm	
Material net weight	500 g	
Filament length	1.75 mm - 182 m 2.85 mm - 69 m	
Melt Flow Rate (210 °C, 21.2N)	7.5 g/10min	ISO1133
Density	1.14 g/cm ³	ISO1183
Melt temperature	176 °C	
Glass transition temperature	68 °C	
Viscat softening point	92 °C	
Flexural modulus	2900 MPa	ISO178
Flexural strength	71 MPa	ISO178
Tensile strength	45 MPa	
Tensile elongation	9.0%	



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Recommended printer set up

Extrusion temperature 200-220 °C

Bed temperature 60 °C

Printing speed 30mm/s

Colour	Part Number		PANTONE® ref.*	Diameter	Weight
Natural White	55902	<input type="checkbox"/>	N/A	2.85 mm	500 g
Natural White	55901	<input type="checkbox"/>	N/A	1.75 mm	500 g

**>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.

* Closest PANTONE® colour reference

Verbatim filament is manufactured from high quality materials to extremely rigid standards. The filaments are manufactured from the highest quality materials and produced to extremely tight tolerances to ensure consistent feed and stable printing. The filaments are distributed in vacuum-sealed bags with desiccant, and wound onto a custom spool that has been designed for strength, uniform dynamic performance and trouble-free dispensing.

