



BVOH Filament

- Butenediol Vinyl Alcohol Co-polymer (BVOH) filament.
- For use as a water dissolvable support material for complex 3D printed objects.
- Waste can be disposed with household effluent*
- Higher solubility than PVOH.
- High durability against moisture - can be used for regular printing.
- Good adhesion to ABS and PLA material.

*>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.

*Note: This is preliminary data and not to be considered final specifications. Specification values are for reference only and not intended as a warranty of any kind.



Product Specifications

Diameter accuracy	1.75 mm \pm 0.03 mm	
	2.85 mm \pm 0.05 mm	
Extrusion temperature	200°C - 220°C	
Material net weight	350 g	
Filament length	1.75 mm - 128 m	
	2.85 mm - 48 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%	

Test Method



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Colour	Part Number		PANTONE® ref.*	Diameter	Weight
White	55902	<input type="checkbox"/>	White Process	2.85 mm	350 g
White	55901	<input type="checkbox"/>	White Process	1.75 mm	350 g

* 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.