



THE **LARGE-SCALE** FFF 3D-PRINTER
FOR **PROFESSIONAL** AND **INDUSTRIAL** USE.

TECHNICAL DATA SHEET

BigRep BVOH

BVOH is an advanced water-soluble 3D printing filament offering easy support structure printability and dissolvability.

Physical Properties

Material	Butenediol vinyl alcohol copolymer
Filament Net Weight:	0.75, 2.5 and 4.5 kg
Diameter	2.85 mm
Density (ISO 1183)	1.14 g/cm³
Melting temperature (DSC)	175 °C

Recommended Printing Conditions (Original BigRep factory files for the material are available from BigRep Global Support)

Nozzle temperature	190 - 210 °C
Heating bed temperature	> 60 °C
Environmental temperature	0 - 40 °C
Printing speed	>30 mm/s

Additional Comments

Material is sensitive to moisture and should be stored under dry conditions at temperatures around 15 – 25°C at all times! Minimum shelf life in original packaging 12 month.

Mechanical Properties (Dry State)

Not applicable for application

Drying Recommendations

Time and Temperature

60°C in a hot air dryer or vacuum oven for 4 to 16 hours

Keep sealed in an airtight container, away from humidity.
Store at 15-25°C and protect from direct heat or sunlight.

BigRep GmbH
Gneisenaustraße 66
10961 Berlin – German

BigRep GmbH Management Board: Martin Back (Geschäftsführer), Court of Registration: Amtsgericht Charlottenburg HRB 155360B Registered Office: Berlin