Technical Data Sheet

FormFutura's BVOH - Butenediol Vinyl Alcohol Co-polymer - 3D printer filament is an advanced water-soluble support material for complex multi-extrusion 3D printing. BVOH bonds to nearly all 'build materials' and it dissolves in water at a faster rate than PVA support materials. Its thermal stability is optimized to eliminate any risk of your hot-end clogging up by thermal degradation.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.14 g/cc	ISO 1183	-
Melt flow rate	6-9 gr/10 min	ISO 1133	-
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	-	-	-
Tensile strength	-	-	-
Tensile modulus	-	-	-
Elongation at break	-	-	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 200 - 230° C	-	-
Melting termperature	± 176° C	-	-
Viscat softening temp.	± 63° C	-	-
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

Product details, certifications and compliance	
HS Code	39169090
REACH compliant	Yes
RoHS certified	Yes

Diameter	Tolerance	Roundness
1.75mm	± 0.05mm	≥ 95%
2.85mm	± 0.10mm	≥ 95%