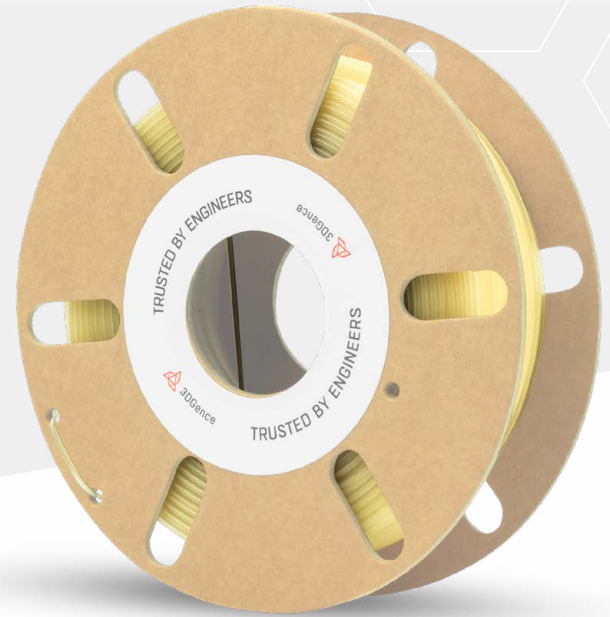


BVOH

Support Material



General Properties		Standard
Printed Part Density	1138 kg/m ³ / 71.0 lb/ft ³	ISO 1183-1

Thermal Properties		Standard
Glass Transition Temperature	69 °C / 156 °F	ISO 11357-2
Crystallization Temperature	122 °C / 252 °F	ISO 11357-3
Melting Temperature	175 °C / 347 °F	ISO 11357-3
Melt Volume Flow Rate	11.4 cm ³ /10 min / 0.7 in ³ /10 min (210 °C, 2.16 kg)	ISO 1133

Mechanical Properties



Print direction	Standard	XY	XZ	ZX
		Flat	On its edge	Upright
Tensile strength	ISO 527	33.7 MPa / 4.9 ksi	-	8.7 MPa / 1.3 ksi
Elongation at Break	ISO 527	14.8 %	-	0.6 %
Young's Modulus	ISO 527	2339 MPa / 339 ksi	-	1426 MPa / 207 ksi
Flexural Strength	ISO 178	53.8 MPa / 7.8 ksi	50.3 MPa / 7.3 ksi	11.4 MPa / 1.7 ksi
Flexural Modulus	ISO 178	2236 MPa / 324 ksi	1807 MPa / 262 ksi	1081 MPa / 157 ksi
Flexural Strain at Break	ISO 178	4.8 %	4.4 %	1.0 %

General information

COMPONENTS

Butenediol vinyl alcohol copolymer based filament for Fused Filament Fabrication.

PRODUCT DESCRIPTION

Printing complex designs may only be possible with temporary support structures. BVOH water-soluble support filament has been designed to easily dissolve in water. The solubility is increasing with higher water temperature. Store this monofilament in a sealed bag or container to prevent moisture uptake.

DELIVERY FORM AND WAREHOUSING

BVOH filament should be stored at 15 - 25°C in its originally sealed package in a clean and dry environment. If the recommended storage conditions are observed the products will have a minimum shelf life of 12 months.

PRODUCT SAFETY

Recommended: Process materials in a well ventilated room, or use professional extraction systems. For further and more detailed information please consult the corresponding material safety data sheets.

Detailed data are available on our website
www.3dgence.com

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