

PRODUCT DESCRIPTION

YOUSU PVB 3D FILAMENT is an alcohol soluble thermoplastic. The surface can be polished with alcohol to achieve layer free models.

Properties	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	ASTM D792	g/cm ³	23 °C	1.10
Melt Flow Rate		g/10min	210 °C, 2.16Kg	6.7
Water Absorption	ASTM D570	%	23 °C, 24hr	0.15
Mechanical Properties				
Tensile Strength	ASTM D638	MPa	23 °C, yield	/
			23 °C, break	40
Tensile Modulus		MPa		2310
Tensile Elongation		%	yield	/
			break	4
Flexural Strength		ASTM D790	MPa	23 °C
Flexural Modulus	GPa		/	
Impact Strength, IZOD notched	ASTM D256	J/m	23°C 3.20mm	/
				/
Thermal Properties				
Vicat Softening Temperature	ASTM D1525 ⁶	°C		/
Heat Deflection Temperature	ASTM D648	°C	1.8 MPa Unannealed	66
			1.8 MPa Annealed	/
			0.45 MPa Unannealed	70

Applications

YOUSU PVB 3D FILAMENT is specially designed for 3D printing.

Processing Information

Yousu PVB 3D filament is applied to most of the FDM 3D printer on the market. Our product has two kinds of diameters: 1.75mm and 3.0mm and show excellent stability and mobility in the molten state. Parts printed with our products have well thermal and mechanical properties. Before printing some parameters should be noticed.

All information provided and recommendations made herein are intended to assist customers in determining whether our products are suitable for their applications. We request that customers inspect and test our products before use in order to make their own final decision regarding suitability. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.



Yousu PVB 3D FILAMENT
Guangzhou Yousu 3D Technology Co., Ltd

Revision Date: 16/06/2021
Version: 1.0

TECHNICAL DATA SHEET

Basic Parameters	
Product Code	YS-PVB
Material	PVB
Diameter	1.75/3.0 mm
Printing Temp	190-220°C
Print Bed Temp	25-70°C

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