

PRODUCT DESCRIPTION

YOUSU PVA 3D FILAMENT, a thermoplastic derived from reproducible resources, which is specially designed by Yousu 3D Technology Co., Ltd, limited for 3D FDM printer. As a popular product used in 3D printing, our product shows excellent mechanical and physical properties after printed as a part.

Properties	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	GB/T 1033.1-2008	g/cm ³		1.251
Melt Flow Rate	GB/T 3682-2000	g/10min	190°C, 2.16Kg	2.9
Hydroxyl Content	GB/T 12008.3-2009	mg/g		10
Mechanical Properties				
Tensile Strength	GB/T 1040.2-2006	MPa		23.4
Tensile Elongation		%		1.9
Flexural Strength	GB/T 9341-2008	MPa		45.4
Thermal Properties				
Vicat Softening Temperature	GB/T 1633-2000	°C	Load 10N	59
Glass transition temperature	GB/T 19466.2-2004	°C	20°C/min	57.3

Applications

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

Processing Information

Yousu PVA 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.

Basic Parameters	
Product Code	YS-PVA ¹⁵¹
Material	PVA
Diameter	1.75/3.0 mm
Printing Temp	190-210°C
Print Bed Temp	None needed(or 60°C if applicable)

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.