

PRODUCT DESCRIPTION

YOUSU PVA 3D FILAMENT, which is specially designed by Yousu 3D Technology Co., Ltd, limited for 3D multi-extrusion printing. It is very compatible with materials such as PLA / ABS / PC, so adhesion well. Filament needs to be soaked in warm water and dissolve. Higher water temperature, the faster dissolves. When dissolved, stir the water to ensure that warm water is in full contact with the filament. Replace or add water in a time, when the solution reaches dissolution saturation. If there is a small amount of residue, please add alcohol to the hot water to dissolve again and the residue removed.

Applications

YOUSU PVA 3D FILAMENT is specially designed for 3D printing complicated engineering parts supports.

Processing Information

Properties	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	GB/T 1033. 1-2008	g/cm ³		1.25
Melt Flow Rate	GB/T 3682-2000	g/10min	190℃, 2.16Kg	2.9
Hydroxyl Content	GB/T 12008. 3-2009	mg/g		10
Mechanical Properties				
Tensile Strength	ISO527	MPa		23.5
Tensile Elongation		%		19
Flexural Strength	GB/T 9341-2008	MPa		45.4
Thermal Properties				
Vicat Softening Temperature	GB/T 1633-2000	℃	Load 10N	59
Glass transition temperature	GB/T 19466. 2-2004	℃	20℃/min	57.3

Yousu PVA 3D filament is a hydrophilic materia, whichl will absorb moisture much faster than any other filament. Make sure the spool is kept in an airtight container when not printing, and preferably store it with desiccant material, too. Its nozzle temperature requireents can vary widely, but they generally fall between 180 and 210℃.

Basic Parameters	
Product Code	YS-PVA ¹⁵¹
Material	PVA
Diameter	1.75/2.85 mm
Printing Temp	180-210℃
Print Bed Temp	None needed(0-40℃ 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.