

## PRODUCT DESCRIPTION

YOUSU Wax 3D printer filament is a wax-like thermoplastic which can be used for printing a casting mold and it features an excellent dimension stability. Wax is not only inexpensive but also environmentally-friendly. Wax-based filaments release far fewer fumes and use less energy than other 3D printing materials.

Properties	Test Method	Unites	Test Condition	Typical Value
<b>Physical Properties</b>				
Density	ASTM D792	g/cm <sup>3</sup>	23 °C	1.08-1.10
Melt Flow Rate	ASTM D1238	g/10min	190 °C, 2.16Kg	6.6-6.7
Mold Shrinkage	ASTM D955	%	23 °C	0.4-0.6
<b>Mechanical Properties</b>				
Tensile Stress	ASTM D638	MPa	50mm/min	35-37.7
Tensile Elongation		%	50mm/min	5-8
Flexural Strength	ASTM D790	MPa	2mm/min	58-63
Flexural Modulus		MPa	2mm/min	2950
Impact Strength, IZOD notched	ASTM D256	KJ/m <sup>2</sup>	4mm, 23 °C	8.5-9.8

## Applications

YOUSU WAX 3D FILAMENT is specially designed for Casting.

## Processing Information

Yousu Wax 3D Filament is applied to most of the FDM 3D printer on the market. Our product has two kinds of diameters: 1.75mm and 2.85mm 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-Wax filament
Material	Wax filament
Diameter	1.75/2.85 mm
Printing Temp	220-260 °C
Print Bed Temp	50-85 °C

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.