

PRODUCT DESCRIPTION

YOUSU Silk PLA 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	ASTM	Unites	Test Condition	Typical Value
Physical Properties				
Density	D792	g/cm ³	23℃	1.23
Melt Flow Rate	D1238	g/10min	190℃, 2.16Kg	6
Mold Shrinkage	D955	%	23℃	0.4-0.6
Mechanical Properties				
Tensile Strength	D638	MPa	10mm/min	40
Elongation	D638	%	10mm/min	5
Flexural Strength	D790	MPa	2mm/min	90
Flexural Modulus	D790	MPa	2mm/min	3000
Impact Strength, IZOD notched	D256	KJ/m ²	4mm, 23℃	4
Thermal Properties				
Heat Distortion Temp.	D648	℃	1.8MPa, 6.4mm	65

Applications

YOUSU Silk PLA 3D FILAMENT is specially designed for 3D printing.

Processing Information

YOUSU Silk PLA 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	
Material	PLA
Diameter	1.75/3.0 mm
Printing Temp	190-240℃
Print Bed Temp	None needed(or 50℃ 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.