

PRODUCT DESCRIPTION

YOUSU Silk TPU filament is an elastic printing material that enables printing objects that requires some flexibility such as vibration dumpers, wearables, insoles, etc... It's designed to print well in most 3D printers and avoid printing issues that normally affect this kind of material.

Properties	ASTM	Unites	Test Condition	Typical Value
Physical Properties				
Density	D792	g/cm ³	23℃	1.18~1.2
Melt Flow Rate	D1238	g/10min	190℃, 2.16Kg	5~8
Mechanical Properties				
Tensile Strength (X-Y)	D638	MPa	50mm/min	32.6~34.5
Tensile Modulus (X-Y)	D638	MPa	50mm/min	47~50
Elongation (X-Y)	D638	%	50mm/min	>600
Tear Strength (X-Y)	D624	N/mm	50mm/min	128.9~134.5
Thermal Properties				
Heat Distortion Temp.	D648	℃	0.45MPa	50~53

Applications

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

Processing Information

YOUSU Silk TPU 3D FILAMENT, is applied to most of the FDM 3D printer on the market. Our product has a kinds of diameters: 1.75mm 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-Silk TPU
Material	Silk TPU
Diameter	1.75 mm
Printing Temp	200℃-220℃
Print Bed Temp	0℃~40℃
Cooling fan	100%
Printing speed	20mm/s~50mm/s

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.