

### PRODUCT DESCRIPTION

YOUSU PLASTIC FLEX 3D FILAMENT, a thermoplastic derived from reproducible resources, which is specially designed by yousu plastic techco., 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
<b>Physical Properties</b>				
Density	ASTM D792	g/cm <sup>3</sup>		1.20±0.1
Viscosity	NDJ-1	Mpa. s		15000
<b>Mechanical Properties</b>				
Tensile Strength	ASTM D412	Mpa		≥14.00
Tensile Elongation		%	break	≥400
Tear Strength	ASTM D624	KN/m		≥15
Hardness	ASTM D2240	A		95±2

### Applications

YOUSU PALSTIC FLEX 3D FILAMENT is specially designed for 3D printing.

### Processing Information

Yousu plastic flex 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-Flex <sup>141</sup>
Material	Flex
Diameter	1.75/3.0 mm
Printing Temp	190-240°C
Print Bed Temp	None needed(or 60-90°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.