

PRODUCT DESCRIPTION

Yousu PETG 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	Test Method	Unites	Test Condition	Typical Value
Physical Properties				
Density	ASTM D1505	g/cm ³	23 °C	1.27
Rockwell Hardness	ASTM D785	R-scale		116
Water Absorption	ASTM D570	%	23 °C, 24hr	0.15
Mechanical Properties				
Tensile Strength	ASTM D638	MPa	50mm/min, yield	53
			50mm/min,break	26
Tensile Elongation		%	50mm/min, yield	5.0
			50mm/min,break	70
Flexural Strength	ASTM D790	MPa	1.27mm/min	80
Flexural Modulus				2150
Impact Strength, IZOD notched	ASTM D256	J/m	23°C	90
Impact Resistance (Puncture) Energy Max. Load at 23°C	ASTM D3763	J	220m/min	33
Thermal Properties				
Vicat Softening Temperature	ASTM D1525 ⁶	°C	1KG Load	83
Heat Distortion Temperature	ASTM D648	°C	1.8 MPa	70
			0.45 MPa	74
Flammability				
Flammability	UL-94		1.6 mm	HB
			3.2 mm	V-2
Electrical Properties				
Dielectric Constant	ASTM D150		60 HZ	3.00
Volume Resistivity	ASTM D257			2.0E+17 ohms.cm
Dielectric Strength	ASTM D149	KV/mm		17

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.

Applications

Yousu PETG 3D FILAMENT is specially designed for 3D printing.

Processing Information

Yousu PETG 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-PETG
Material	PETG
Diameter	1.75/2.85 mm
Printing Temp	220-260°C
Print Bed Temp	100-110°C