



TPU Filament

TPU – THERMOPLASTIC POLYURETHANE

TPU (Thermoplastic Polyurethane) is an elastic, oil/grease resistant, and abrasion-resistant material with a shore hardness of 95A.

TPU Plastic has several applicable uses including automotive instrument panels, caster wheels, power tools, sporting goods, medical devices, drive belts, footwear, inflatable rafts, and a variety of extruded film, sheet and profile applications. It is also commonly used in mobile phone cases.

Our TPU filament is available in different colors and 1.75mm and 3mm diameter.

OPTIONS:

Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Color:	Full Color Range (Special Colors By Order)	
Packaging:	0.5	Kg Spools
	1.0	Kg Spools
	30	Gr Loops (Sample)

FEATURES:

- Flexible elastic material.
- Free from harmful or hazardous materials.
- Excellent flexural fatigue resistance.
- Produces objects with very good layer adhesion.
- Extremely flexible.
- Good tear & abrasion resistance.
- Resistance to low & high temperatures from -30 °C to +140 °C.
- Good colourability.
- Recyclable.
- Shall be printed on heat bed.
- Bed adhesion is usually very good but in case, Blue Painter's Tape can be a choice.

SPECIFICATIONS:

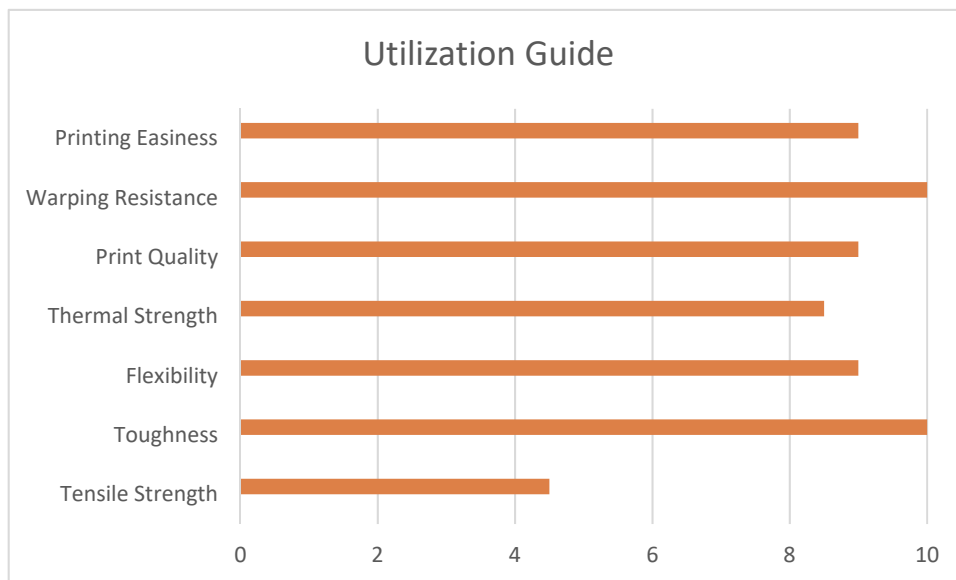
Filament Material:	TPU	
Specific Gravity:	1.2	gr/cm ³
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder: 240 – 260 °C	
	Bed: 40 – 60 °C	
Working Temperature:	Withstands up to 80 °C	

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UTILIZATION GUIDE:

(Comparative, Out of 10)

Tensile Strength	4.5
Toughness	10
Flexibility	9
Thermal Strength	8.5
Print Quality	9
Warping Resistance	10
Printing Easiness	9



CERTIFICATES:

Management:	BS EN ISO 9001:2015
Quality:	CE (CE-2924)
Environment:	RoHS (UQ-5724)