

PC Filament

PC – POLYCARBONATE

Polycarbonate (PC) Polycarbonate is strong and very resistant to impact, this material is used when making bullet-proof glass. Not only is polycarbonate an extremely tough and durable thermoplastic material it is also very resistant to temperature.

This material is malleable when cool and can bend without cracking.

PC has a very high impact strength, far greater than glass and more than ten times that of an acrylic material like PMMA.

At the same time, it has less than half the density of glass, but with comparably high level of transparency. In fact, polycarbonate transmits visible light better than many kinds of glass.

It is this relatively light weight and transparency, combined with incredible strength, which makes polycarbonate such an attractive material choice for a wide variety of commercial uses. Our Polycarbonate filaments are 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:

Higher melting temperature for better mechanical strength at higher temperature.

Free from harmful or hazardous materials.

Strong, impact resistant thermoplastic.

Produces objects with extreme toughness.

Machine bendable at room temperature.

Extremely durable.

Parts can withstand temperatures of up to 90 °C and higher without losing strength.

Transparent with excellent light transmittance.

Dichloromethane soluble.

Shall be printed on heat bed.

SPECIFICATIONS:

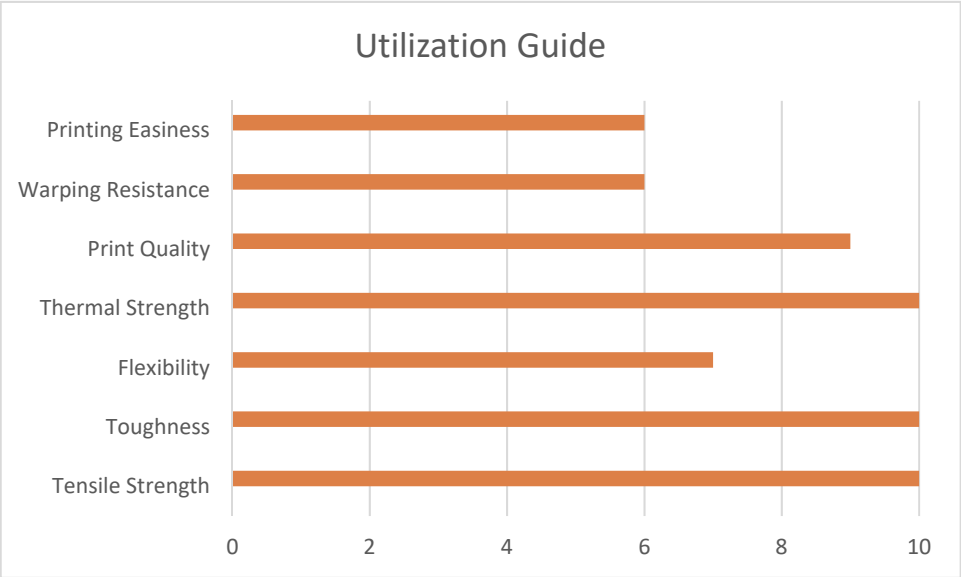
Filament Material:	PC	
Specific Gravity:	1.20	gr/cm ³
Size:	1.75	mm +/- 0.05 mm
	3.0	mm +/- 0.05 mm
Printing Information:	Extruder: 270 – 310 °C	
	Bed:	90 – 120 °C
Working Temperature:	Withstands up to 90 °C	

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UTILIZATION GUIDE:

(Comparative, Out of 10)

Tensile Strength	10
Toughness	10
Flexibility	7
Thermal Strength	10
Print Quality	9
Warping Resistance	6
Printing Easiness	6



CERTIFICATES:

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