

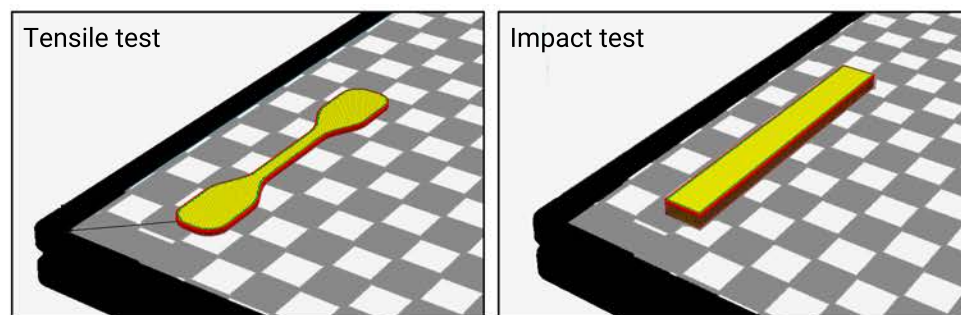
PETG Carbon Filament

PETG Carbon Filament is a Polyethylene Terephthalate reinforced with carbon fibers. Due to the carbon fibers compounded in the PETG you can create 3D printed parts with exceptional stiffness, great dimensional stability and excellent surface quality. This filament is highly suitable for printing a wide range of industrial applications like frames, drones, tools, parts for the automotive and more.

MATERIAL PROPERTIES	TYPICAL VALUE	TEST METHOD
Density	1.317 g/cm ³	ISO 1183-1
Tensile Strength	52.9 MPa	ISO 527-2/5A/50
Tensile strain at strength	2.4 %	ISO 527-2/5A/50
Tensile Modulus	4,015 MPa	ISO 527-2/5A/50
Tensile Stress at Break	41.3 MPa	ISO 527-2/5A/50
Tensile strain at break	3.4 %	ISO 527-2/5A/50
Charpy impact resistance	4.03 kJ/m ²	ISO 179-1/1eA
Shore Hardness	76,4D	ISO 868
Glass transition temp. (Tg)	76 °C	ISO 11357-1 DSC

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PRINT RECOMMENDATIONS	
Nozzle Temperature	220-260 °C
Bed Temperature	60-100°C
Print Speed	40-70 mm/s
Drying recommendations	2-4 hours, 65°C



- ☒ Nozzle temp : 225°C
- ☒ Bed temp : 60°C
- ☒ Infill : 100%
- ☒ Infill angle : 45°/-45°
- ☒ Print speed : 50 mm/s

Additional info: To get the best results while printing we advise you to keep the 3D printer in a room where there is hardly any draft and/or temperature fluctuations. Keep the 3D printer out of direct sunlight. When the 3D printer is not being used it is important to keep the 3D4Makers PETG Carbon filament in a bag and stored in a cool, dry and dark place until it is used again.

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