



Innovate3Dglobal Pty Ltd

Westmead New South Wales 2145, Australia

sales@innovate3dglobal.com, +61-452 392 608

PETG-CF Filament

Technical Data Sheet

Features			Application	
• High strength • Impact modified • Low odour • Low warpage			• Cultural and creative • Toys • Gifts • Industrial	
Physical	Typical Value	Unit	Method	Test Condition
Density	1.18	g/cm ³	ISO 1183	23°C
Melt Flow Rate	14	g/10min	ISO 1133	250°C/2.16KG

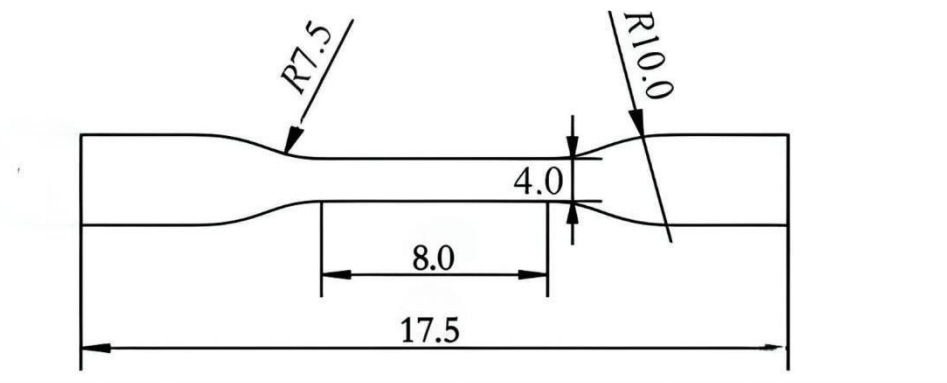
Mechanical	Typical Value	Unit	Method	Test Condition
Tensile Strength	31	MPa	ISO 527	50mm/min
Elongation at Break	2.51	%	ISO 527	50mm/min
Flexural Strength	49	MPa	ISO 178	5mm/min
Flexural Modulus	1874	MPa	ISO 178	5mm/min
Unnotched Izod Impact Strength	28.2	KJ/m ²	ISO 180	23°C

Thermal	Typical Value	Unit	Method	Test Condition
Melting Temperature	/	°C	DSC	10°C/min
Heat Deflection Temperature	75	°C	ASTM D648	120°C/h, 0.45MPa
Printing Temperature	220-260	°C	/	/
Bed Temperature	70-90	°C	/	/

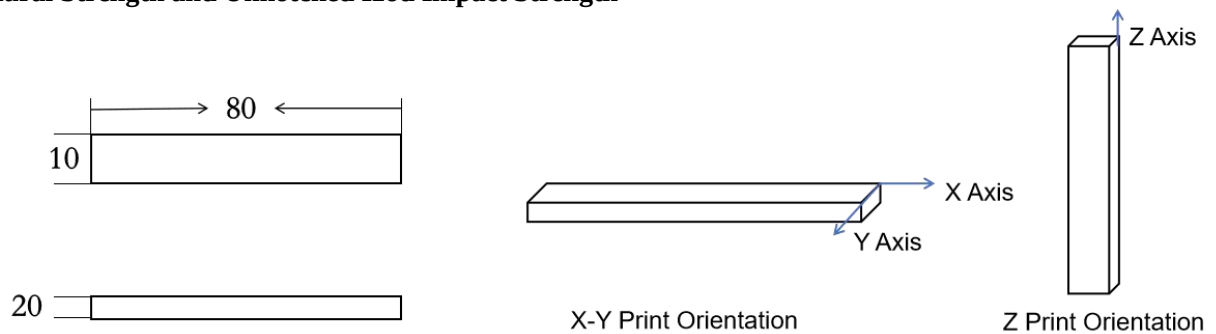
Notice The data contained in this document is based on trials carried out by our Research Centers. Properties are dependent upon process conditions and machine used, so these figures are only given for information.

Testing Model and Printing Parameters

1.1 Tensile Strength



1.2 Flexural Strength and Unnotched Izod Impact Strength



1.3 Printing parameters

Printing parameters	Data
Nozzle Printing temperature	240°C
Plate Temperature	75°C
Printing Speed	100 mm/s
Infill Density	100%

Notice The data contained in this document is based on trials carried out by our Research Centers. Properties are dependent upon process conditions and machine used, so these figures are only given for information.