

Technical Data Sheet

v1.0

Material
PCTG (Poly-Cyclohexylenedimethylene Terephthalate glycol-modified) filament

Physical Properties	Test Method	Units	Value
Density	D792	g/cc	1.21

Mechanical Properties	Test Method	Units	Value
Izod Impact	ASTM D256*	J/m	66.8
Flexural Strength	ASTM D790*	MPa	64.8
Flexural Modulus	ASTM D790*	MPa	1722
Tensile Strain @ Break %	ASTM D638*	%	4.8
Tensile Stress @ Break	ASTM D638*	MPa	32.3
Tensile Stress @ Yield	ASTM D638*	MPa	35.9
Tensile Strain @ Yield %	ASTM D638*	%	3.63

Thermal Properties	Test Method	Units	Value
Heat Deflection Temp	ASTM D648*	°C	108

*Testing specimens **3D printed** with a 0.4mm nozzle, 0.2mm layer height, and 100% infill. The specimens were printed flat (XY) on the build plate at the temperatures according to each materials print settings located at www.pushplastic.com/pages/print-settings

www.PushPlastic.com



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