

Technical data sheet PCTG

2022-04-04

Filament: [PCTG](#).

Brand name: [filalab](#) www.filalab.lt

Usage: [3D filament for FDM 3D printers](#).

Manufacturer: [UAB filalab, Vilnius, Lithuania](#).

Printing recommendations:

Bed temperature: [85°C ± 10°C](#)

Extruder temperature: [250°C ± 10°C](#)

Diameter tolerance: [1.75 mm ± 0.03 mm](#)

Material Properties

Physical properties:

Physical properties	Value	Method
Specific Gravity g/cm ²	1.23	ASTM D792
Heat Distortion Temperature	76 C	ISO 75
Mold Shrinkage	0.2 – 0.5 %	ASTM D955

Mechanical properties:

Physical properties	Value	Method
Tensile Strength at Yield	44 MPa	ISO 527
Tensile Strength at Break	46 MPa	ISO 527
Elongation at Break	220 %	ISO 527
Elongation at Yield	4,4 %	ISO 527
Flexural Strength	60 MPa	ISO 178
Flexural Modulus	1,600 MPa	ISO 178

Note:

These results should be regarded as guide values only. Values depend on print settings, print atmosphere conditions.