

## PRODUCT NAME: 3D FILAMENT PETG+CF 1,75mm

**PRODUCT DESCRIPTION:** PETG+CF filament - a thermoplastic polymer in the form of a thread, designed for 3D printing using the FFF/FDM method. Filament coiled on spools, vacuum-packed in a PET/Al/PE bag, and then in a box.

### PRODUCT PARAMETERS

filament diameter [mm]	1,75
diameter tolerance [mm]	+/- 0,05
oval tolerance [mm]	+/- 0,02
net weight [g]	small spool: 500
	big spool: 3000
gross weight [g]	small spool: 800
	big spool: 4000
spool dimensions [mm] (Ø x height x hole Ø)	small spool: 200 x 55 x 52
	big spool: 300 x 103 x 515
box dimensions [mm]	small spool: 235 x 215 x 65
	big spool: 340 x 320 x 115
finish	satin



### RECOMMENDED PRINTING PARAMETERS

Print temperature [°C]	240-270
Table temperature [°C]	70-90

### PHYSICAL PARAMETERS OF THE MATERIAL

- Density: 1,32 g/cm<sup>3</sup>
- Odor: odorless
- Charpy impact strength:
  - without notch - 50 kJ/m<sup>2</sup> (ISO 179-1eU)
  - with notch - 6 kJ/m<sup>2</sup> (ISO 179-1eA)
- Tensile elongation (speed 5 mm/min, to break): 3,5% (ISO 527)
- Tensile strength (speed 5 mm/min, to break): 42 MPa (ISO 527)
- Tensile modulus (speed 1 mm/min): 8800 MPa (ISO 527)
- Vicat softening temperature: 80°C

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