

## THE FILAMENT PETG CF

### MATERIAL PROPERTIES

#### General Properties

Specific Gravity	1.29 g/cm <sup>3</sup>	D 792
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#### Mechanical Properties

Tensile Strength at Yield	57.6 MPa	ISO 527
Tensile Strength at Break	20.4 MPa	ISO 527
Impact Strength - Charpy method	3.2 kJ/m <sup>2</sup>	ISO 179

#### Thermal Properties

Heat Deflection Temperature	70°C	D 648
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### GUIDELINE FOR PRINT SETTINGS\*

Nozzle temperature	240-265°C
Nozzle temperature (High Speed)	
Bed temperature	60-70°C
Closed chamber for printing	not necessary
Dry box recommended	No
Ruby or hardened nozzle recommended	Yes
Adhesive	not necessary (if increased adhesion needed or to prevent warping: glue stick, Dimafix, 3DLac, Magigoo)
Cooling	75-100%
Surface finish	matte, carbon appearance
Features	3% CF for durability and flexibility; optimized formula; beginner-friendly

\* settings are based on a 0,4 mm nozzle.

\*\* depending on the geometrical complexity

### STORAGE AND SHELF LIFE

Filament should be stored in a dry room at room temperature. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months.

### SUPPORT

If you have any questions or experience any issues, please do not hesitate to contact us at [support@spectrumfilaments.com](mailto:support@spectrumfilaments.com)

#### Disclaimer

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