



PET-G

PET-G is a strong, high clarity, odor neutral and easy to print filament for 3D printing. These characteristics, together with the high impact strength, excellent flexibility and practically no shrinkage make PET-G an excellent material which combines the advantages of both PLA and ABS. In short, PET-G has many great features and is the perfect addition to any filament assortment.

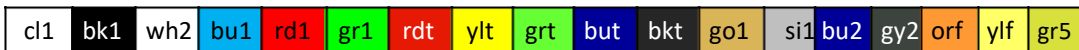
Material features:

- High clarity
- Strong & Flexible
- Almost no “warping”
- Food Contact Acceptable
- Odor neutral printing



Colours:

PET-G is available from stock in 19 colours. Other colours on request



Packaging:

PET-G is available in 750g, 1kg and 2,3kg

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFI 190°C/2,16 kg	ISO 1133	6,4 g/10 min
Tensile strength at yield	ISO 527	50 MPa
Elongation strain at yield	ISO 527	6%
Elongation strain at break	ISO 527	23%
Tensile (E) modulus	ISO 527	2020 MPa
Flexural modulus	ISO 178	2050 MPa
Flexural strength	ISO 178	69 MPa
Impact strength - Charpy method 23°C	ISO 179 1eA	8,1 kJ/m2
Rockwell hardness	ASTM D785	105
Moisture absorption	ISO 62	1104 ppm
Printing temp.	Internal method	240±10°C
Heat deflection temp.	ASTM 648	70°C
Transparency	ASTM D1003	90%

Additional info:

Low hygroscopic, printable without drying, but drying improves printing performance. Recommended temperature for heated bed is $\geq 70^{\circ}\text{C}$. Adhesion is possible on different surfaces. PET-G can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry ($15\text{-}25^{\circ}\text{C}$) and away from UV light. This enhances the shelf life significantly.