PETG

PETG 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 PETG an excellent material which combines the advantages of both PLA and ABS. In short, PETG 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:
PETG is available from stock in 13 bright colours.

| cl1 | bk1 | bu1 | rd1 | gr1 | rdt | ylt |
| grt | but | bkt | bu2 | or1 | wh1 | |

Filament specs.		
Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%

Material properties		
Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,27 g/cc
MFR 190°C/2,16 kg	ISO 1133	6,4 gr/10 min
Tensile strength at yield	ISO 527	50 Mpa
Strain at yield	ISO 527	6%
Strain at break	ISO 527	23%
Tensile 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	8,1 kJ/m2
Rockwell Hardness	ASTM D785	105
Moisture absorption	ISO 62	1104 ppm
Printing temp.	DF	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 ±60-80˚C. Adhesion is possible on different surfaces.
PETG can be used on all common desktop FDM or FFF technology 3D printers.
Storage: Cool and dry (15-25˚C) and away from UV light. This enhances the shelf life significantly.