

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. The filament is hydrophobic and therefore does not absorb water. In short, PET-G has many great features and is the perfect addition to any filament assortment.

Features:

- High clarity
- Strong & Flexible
- Almost no "warping"
- Hydrophobic (Does not absorb water)
- Food Contact Acceptable
- Odor neutral printing



Dimensions

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

Physical properties

Description	Testmethod	Typical value
Specific gravity	ASTM D792	1,27 g/cc
Mold shrinkage	ASTM D955	0,2-0,5%
Tensile strength @yield	ASTM D638	50 MPa
Elongation at break	ASTM D638	120%
Flexural modulus	ASTM D790	2150 MPa
Impact Strength Izod Notched 23°C	ASTM D256	85 J/m
Rockwell Hardness	ASTM D785	105
Moisture absorption	ASTM D570	0,13%

Thermal & optical properties

Description	Testmethod	Typical value
printing temp.	-	195-220°C
Heat Distortion T.	ASTM D648	70°C
Light Transmittance	ASTM D1003	90%

Colours:

PET-G is available from stock in 11 colours . For other (translucent) colours a minimum of 40 kg ± 10% is required.



Packaging:

PET-G is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

Additional info:

Recommended temperature for heated bed is ± 35-60°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 (15-25°C) and away from UV light. This enhances the shelf life significantly.