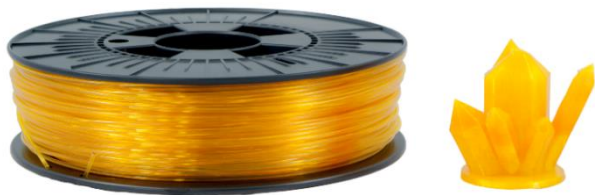


PET-G (COD.: PETG)

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.



Colours:

- K03006** Clear
- K03007** Black
- K03029** Red
- K03030** Yellow
- K03031** Green
- K03032** White

Additional info:

Recommended temperature for heated bed is $\pm 35-60^{\circ}\text{C}$. 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 ($15-25^{\circ}\text{C}$) and away from UV light. This enhances the shelf life significantly.

Dimensions

Size	Ø Tolerance	Roundness
1,75mm	$\pm 0,05\text{mm}$	$\geq 95\%$

Physical Properties

Description	Test Method	Typical Value
Specific Gravity	ASTM D792	1,27 g/cc
Mold Shrinkage	ASTM D955	0,2-0,5%
Tensile Strength at 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 Properties

Description	Test Method	Typical Value
Printing Temperature	-	$195-220^{\circ}\text{C}$
Heat Distortion Temp.	ASTM D648	70°C
Light Transmittance	ASTM D1003	90%

KLEVERFIL®

Via Lorenzo di Credi n. 20
50136 Firenze - Italy

Tel. +39 (0)55 66 43 96 - Fax. +39 (0)55 39 80 810

www.kleverfil.com – info@kleverfil.com

www.kloner3d.com – info@kloner3d.com