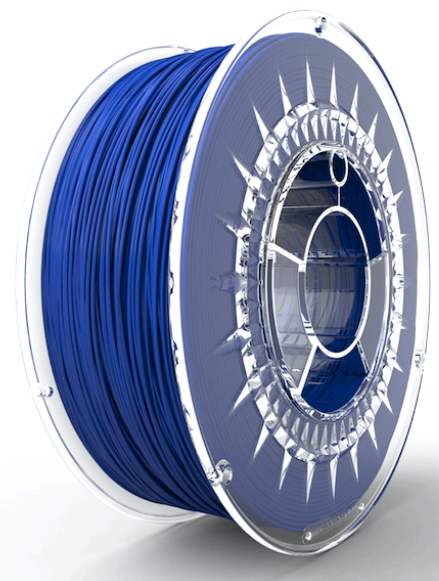


Product card: PET-G filament for 3D printing.

Product description: Filament PET-G - a thermoplastic polymer from the group of polyesters in the form of fiber, used for 3D printing using the FFF method. Filament wound on a spool, vacuum packed with a moisture absorber. The spool contains 1 kg of net material. It can be used in all FFF printers that are not protected from external suppliers and open source structures before using. PET-G is a material friendly for beginners, material available in covering and transparent colors.

Physical properties of the product:

| | |
|-----------------------------------|---------------------------|
| Diameter of filament | 1.75 mm / 2.85 mm |
| Dimensional tolerance of filament | +/- 0.05 mm |
| Roundness of filament | +/- 0.02 mm |
| Surface of the material | High Gloss |
| Shrinkage of the material | Very low |
| Product weight | 1.0 kg net, 1.36 kg gross |
| Spool - material | Transparent polycarbonate |
| Weight of the empty spool | ~250 g |
| The diameter of the spool | 200 mm |
| Width of spool | ~70 mm |
| Diameter of mounting hole | 52 mm |
| Packaging | Printed cardboard |
| Package size | ~205x205x80 mm |
| Vacuum packing | Yes |
| Moisture absorber | Yes |



Suggested printing parameters:

| | |
|----------------------|-----------|
| Hotend | 220-250°C |
| Heated bed | 70-80°C |
| Cooling the printout | Optional |

Due to the structural differences of printers, the above figures should be considered as guidelines and the corresponding values must be determined experimentally.

Physical properties of the material:

| | | |
|------------------------------|------------------------|-----------|
| Specific Density | 1.23 g/cm ³ | - |
| Glass Transition Temperature | 80°C | ASTM 3418 |
| Moisture | ≤ 0.3% | - |

Availability of colors and diameters:

| Color | Kolor | 1.75 | 2.85 |
|---------------------------|----------------------------|------|------|
| White | Biały | ✓ | ✓ |
| Vanilla | Waniliowy | ✓ | |
| Bright Yellow | Jasnożółty | ✓ | ✓ |
| Yellow | Żółty | ✓ | |
| Bright Orange | Jasnopomarańczowy | ✓ | |
| Dark Orange | Ciemnopomarańczowy | ✓ | |
| Bright Pink | Jasnoróżowy | ✓ | |
| Pink | Różowy | ✓ | |
| Purple | Purpurowy | ✓ | |
| Lilac | Wrzosowy | ✓ | |
| Red | Czerwony | ✓ | ✓ |
| Raspberry Red | Malinowy | ✓ | |
| PC Gray | Jasnoszary | ✓ | |
| Gray | Szary | ✓ | |
| Dark Gray | Ciemnoszary | ✓ | |
| Blue | Błękitny | ✓ | |
| Super Blue | Niebieski | ✓ | ✓ |
| Ocean Blue | Morski | ✓ | |
| Galaxy Violet | Galaktyczny Fioletowy | ✓ | |
| Violet | Fioletowy | ✓ | |
| Mint | Seledynowy | ✓ | |
| Bright Green | Jasnozielony | ✓ | ✓ |
| Emerald Green | Szmaragdowy Zielony | ✓ | |
| Beige | Beżowy | ✓ | |
| Brown | Brązowy | ✓ | |
| Galaxy Black | Galaktyczny Czarny | ✓ | |
| Black | Czarny | ✓ | ✓ |
| Transparent | Transparentny | ✓ | |
| Bright Yellow Transparent | Jasnożółty Transparentny | ✓ | |
| Bright Green Transparent | Jasnozielony Transparentny | ✓ | |
| Green Transparent | Zielony Transparentny | ✓ | |
| Ruby Red Transparent | Rubinowy Transparentny | ✓ | |
| Blue Transparent | Błękitny Transparentny | ✓ | |