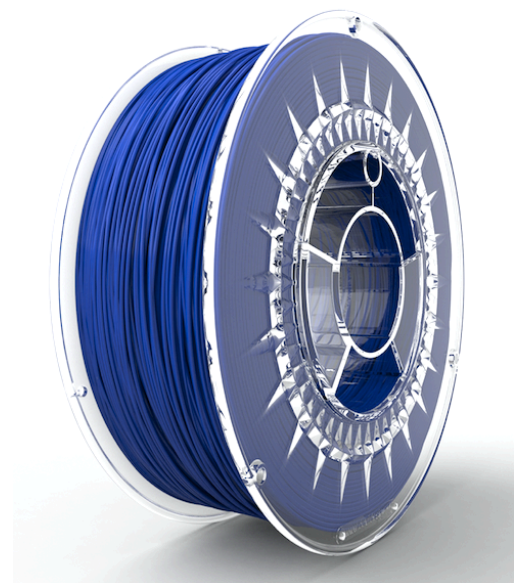


Product card: PET-G filament for 3D printing.

**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, 1.4 kg gross  |
| Spool - material                  | Transparent polycarbonate |
| Weight of the empty spool         | ~257 g                    |
| The diameter of the spool         | 200 mm                    |
| Width of spool                    | ~70 mm                    |
| Diameter of mounting hole         | 52 mm                     |
| Packaging                         | Printed cardboard         |
| Package size                      | ~230x210x80 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 <sup>3</sup> | -         |
| Glass Transition Temperature | 80°C                   | ASTM 3418 |
| Moisture                     | ≤ 0.3%                 | -         |

## Availability of colors and diameters:

| Color                     | Kolor                      | 1.75 | 2.85 |
|---------------------------|----------------------------|------|------|
| White                     | Biały                      | ✓    | ✓    |
| Bright Yellow             | Jasnożółty                 | ✓    | ✓    |
| Orange                    | Pomarańczowy               | ✓    |      |
| Red                       | Czerwony                   | ✓    | ✓    |
| Gray                      | Szary                      | ✓    |      |
| Blue                      | Błękitny                   | ✓    |      |
| Super Blue                | Niebieski                  | ✓    | ✓    |
| Bright Green              | Jasnozielony               | ✓    | ✓    |
| Black                     | Czarny                     | ✓    | ✓    |
| Transparent               | Transparentny              | ✓    |      |
| Bright Yellow Transparent | Jasnożółty Transparentny   | ✓    |      |
| Bright Green Transparent  | Jasnozielony Transparentny | ✓    |      |
| Ruby Red Transparent      | Rubinowy Transparentny     | ✓    |      |
| Blue Transparent          | Błękitny Transparentny     | ✓    |      |

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