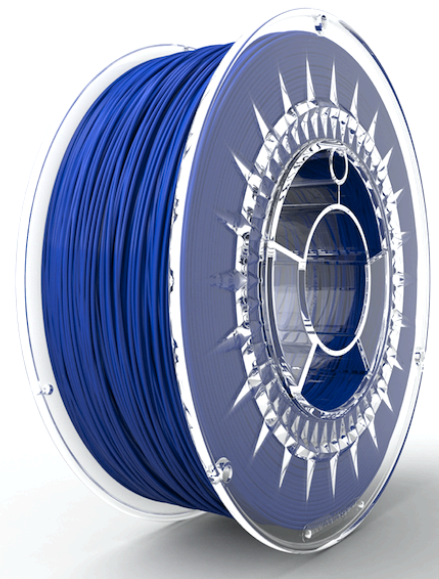


Product card: PET-G filament for 3D printing.

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.

Availability of colors and diameters:

| Color | RAL | 1,75 - 1kg | 2,85 - 1kg | Color | RAL | 1,75 - 1kg | 1,75 - 0,33kg |
|---------------|------|------------|------------|---------------------------|------|------------|---------------|
| White | 9003 | ✓ | ✓ | Light Steel | | ✓ | ✓ |
| Bright Yellow | 2021 | ✓ | | Dark Steel | | ✓ | ✓ |
| Yellow | 1005 | ✓ | | Galaxy Red | | ✓ | |
| Bright Orange | 2003 | ✓ | | Galaxy Gray | | ✓ | |
| Dark Orange | 2002 | ✓ | | Galaxy Super Blue | | ✓ | |
| Red | 3031 | ✓ | | Galaxy Violet | 4005 | ✓ | |
| PC Gray | 7044 | ✓ | | Galaxy Green | | ✓ | |
| Gray | 7005 | ✓ | | Galaxy Black | 8022 | ✓ | |
| Dark Gray | 7021 | ✓ | | Transparent | 9000 | ✓ | |
| Blue | 5012 | ✓ | | Bright Orange Transparent | 2008 | ✓ | |
| Super Blue | 5010 | ✓ | | Amber Transparent | | ✓ | |
| Ocean Blue | 5025 | ✓ | | Bright Green Transparent | 6020 | ✓ | |
| Mint | 6027 | ✓ | | Green Transparent | 6025 | ✓ | |
| Light Green | 6032 | ✓ | | Ruby Red Transparent | 3001 | ✓ | |
| Bright Green | 6018 | ✓ | | Blue Transparent | 6033 | ✓ | |
| Emerald Green | 5021 | ✓ | | Super Blue Transparent | 5005 | ✓ | |
| Olive Green | 6003 | ✓ | | | | | |
| Race Green | 6005 | ✓ | | | | | |
| Silver | 7011 | ✓ | | | | | |
| Beige | 1014 | ✓ | | | | | |
| Dark brown | | ✓ | | | | | |
| Black | 8022 | ✓ | ✓ | | | | |

Physical properties of the material:

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

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