



PET-G Filament

- Strong, high clarity, odour neutral and easy-to-print filament
- High impact strength
- Excellent flexibility
- Almost no warping or shrinkage
- Hydrophobic (does not absorb water)
- Food packaging grade pellets used
- Main applications: Concept modelling for mechanics, medical, food containers, transparent objects.



Filament Specifications

| Size | Ø tolerance | Roundness |
|--------|-------------|-----------|
| 1.75mm | ± 0.05mm | ≥95% |
| 2.85mm | ± 0.10mm | ≥95% |

Material properties

| Description | Test method | Typical value |
|--------------------------------------|-------------|-----------------------|
| Specific gravity | ISO 1183 | 1.27 g/cc |
| MFR 190°C/2.16 kg | ISO 1133 | 6.4 gr/10 min |
| Tensile strength at yield | ISO 527 | 50 Mpa |
| Strain at yield | ISO 527 | 6% |
| Strain at break | ISO 527 | 23% |
| Tensile modulus | ISO 527 | 2020 MPa |
| Flexural modulus | ISO 178 | 2050 Mpa |
| Flexural strength | ISO 178 | 69 MPa |
| Impact strength - Charpy method 23°C | ISO 179 | 8.1 kJ/m ² |
| Rockwell Hardness | ASTM D785 | 105 |
| Moisture absorption | ISO 62 | 1104 ppm |
| Printing temperature | DF | 240±10°C |
| Heat deflection temperature | ASTM 648 | 70°C |
| Transparency | ASTM D1003 | 90% |

















Recommended temperature for heated bed is ±60-80°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.





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Filaments Available

| Colour | Part Number | | RAL ref.* | Diameter | Weight |
|-------------------|-------------|---|-----------|----------|--------|
| White | 55050 |  | 9003 | 1.75 mm | 1 kg |
| Clear | 55051 |  | | 1.75mm | 1 kg |
| Black | 55052 |  | 9017 | 1.75mm | 1 kg |
| Red | 55053 |  | 3020 | 1.75mm | 1 kg |
| Red Transparent | 55054 |  | | 1.75mm | 1 kg |
| Blue | 55055 |  | 5002 | 1.75mm | 1 kg |
| Blue Transparent | 55056 |  | | 1.75mm | 1 kg |
| Green Transparent | 55057 |  | | 1.75mm | 1 kg |
| White | 55058 |  | 9003 | 2.85mm | 1 kg |
| Clear | 55059 |  | | 2.85mm | 1 kg |
| Black | 55060 |  | 9017 | 2.85mm | 1 kg |
| Red | 55061 |  | 3020 | 2.85mm | 1 kg |
| Red Transparent | 55062 |  | | 2.85mm | 1 kg |
| Blue | 55063 |  | 5002 | 2.85mm | 1 kg |
| Blue Transparent | 55064 |  | | 2.85mm | 1 kg |
| Green Transparent | 55065 |  | | 2.85mm | 1 kg |

Verbatim filament is manufactured from high quality materials to extremely rigid standards. The filaments are manufactured from the highest quality materials and produced to extremely tight tolerances to ensure consistent feed and stable printing. The filaments are distributed in vacuum-sealed bags with desiccant, and wound onto a custom spool that has been designed for strength, uniform dynamic performance and trouble-free dispensing.