

Premium PETG 3D Filament

Print in 3D and create prototypes, spare parts, quick and on-demand production, etc. in any shape or geometry. Gearlab 3D Filaments come in different plastic materials and with varying properties.

PETG is a co-polyester, ie an enhanced version of PET with added glycol during the polymerization to improve its properties. PETG has proven its worth as an industrial strength filament that is easy to use. It combines the most useful characteristics of ABS filament (the durability and high mechanical strength for functional parts) with the ease of printing PLA filament.

One of PETG's strongest features is that the flex works well as snap fit for functional closures or latches. It is ideal for models that need follow-up processing like drilling, screw assembling, etc., and it is known for its clarity and is also very good at bridging.



Gearlab PETG 3D Filament

Properties

| | |
|------------------------|--------------|
| Diameter | 1.75 mm |
| Tolerance | 0.05 mm |
| Weight | 1 kg |
| Printing temperature | 220-240°C |
| Printing speed | 60-90 mm/s |
| Layer resolution | 0.1-0.2 mm |
| Hot bed | 80-100°C |
| Printing raft | Not required |
| Printing substrate | Not required |
| Tensile strength | ≥ 52 Mpa |
| Impact strength | ≥ 90 KJ/m |
| Elongation at break | 150% |
| Distortion temperature | ≥ 70°C |

Features

- An enhanced version of PET added glycol
- Harmless, non-toxic polymer
- Smoke- and odour-free printing
- High impact strength, 30 times higher than PLA
- Features like durability and mechanical strength equal to ABS filaments
- Easy to print filament with stable printing size and low material warp or shrinkage
- Enhanced weather and UV resistance
- Improved hygroscopicity
- 100% reclaimable (not biodegradable)



IF YOU CAN DREAM IT, YOU CAN PRINT IT!