

tonerplastics

PETG 3D Filament Data Sheet

Polyethylene Terephthalate - Glycol Modified (PETG)

PETG is a durable and strong thermoplastic which combines many desirable features from other plastics into one material. PETG offers similar mechanical properties to that of ABS while maintaining the ease of use of PLA. PETG has low thermal shrinkage in comparison to other materials making it a great choice for objects in which high levels dimensional accuracy is required.

Mechanical Properties	
Intrinsic Viscosity, dL/g	0.80 ± 0.02
Glass Transition Temp, C	80
Specific Density, g/cm ³	> 1.29
Size Specifications	
Nominal Outer Diameter, mm	1.75/2.88
OD Tolerance, mm	±0.05
Ovality, mm	< 0.05

Applications

- General purpose 3D printing
- Heavy use prints
- Engineering and industrial prototyping

Recommended Printer Settings

- Extruder Temperature: 230-250 °C
- Bed Temperature: 80-100 °C
- Printing Speed: 50-80 mm/s
- Bed Adhesion: Hair Spray or Painters Tape

Additional Information

- Sizes Available: 1.75/2.88mm (Custom Sizes Available)
- Spool Weight: 1 kg (2.2 lbs.) (Custom Sizes Available)
- Custom packaging methods available upon request
- All filaments are sealed with desiccants

Regulatory Compliance

- RoHS
- REACH
- California Proposition 65

Disclaimer:

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