

PETG (Polyethylene terephthalate copolymer glycol modified)

3D Filament Data Sheet

Physical Properties – Typical Values

Property	Value (SI Units)
Tensile Modulus (ASTM D638)	2100 MPa
Ultimate Tensile Strength (D638)	53 MPa
MFR (D1238)	x g/10 min
Elongation at Break (D638)	18%
Specific Gravity, ASTM D792	1.29 gm/cm ³
Izod Impact, 23 C, (ASTM D256)	80 J /min
Glass Transition Temp, ASTM D792	80 to 82 °C
Heat Distortion Temp, (ASTM D648)	73 to 82 °C

3D Printing Guide

Property	Value (SI Units)
Recommended Print Speed	50 - 60 mm /s
Recommended Nozzle Temperature	225 – 245 °C
Recommended Bed Temperature	60 - 80 °C
Preferred Bed Adhesive	Glue, Blue Painters Tape
Special Considerations	Consider Recycling Spools & Unwanted Parts
Nominal Outer Diameter	1.75mm / 2.85mm (Industry Standard +/- 3%)
Available Sizes	750gm, 1KG, 3KG

Suggested Applications

PETG is a great material for high impact mechanical parts that may be subjected to moderate heat loads. This material is more wear and impact resistant than ABS while still being very cost effective for production printing applications. As a result, PETG offers a high level of detail and exceptional print quality. Ideal for prints subject to outdoors and needing detailed surfaces.

Available in Multiple Colors: Custom Pantone Selection upon request (MOQ of 10 KG)

Material is produced using both virgin and reprocessed materials from consistent sources.

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