

PETG

/Acrylonitrile Butadiene Styrene/



- ✓ High Impact Resistance
- ✓ High Light Transmission
- ✓ Good Toughness
- ✓ Good Fluidity



■ Material Overview

With excellent impact resistance, excellent transparency and good processing performance, PETG provides stable and reliable support for your creative 3D printing works, and easily realizes the transformation from idea to finished product.

Filament Diameter	1.75mm/2.85mm/ 3.50mm
Net Weight	1KG \ Inner Box Dimension: 206*71*208mm \ G.W.: 1.35KG
Package	1KG*10PCs \ Outer Carton Dimension: 382*226*433mm \ G.W.: 14KG/CTN

■ Printing Tips

- Best printing temperature ranges from 210°C to 240°C
- Best phototype can be achieved through 50°C drying for 2-4 hours
- Print Temp: 230-240°C 50-100mm/s
- Print Temp: 240-260°C 100-200mm/s
- Platform Temp.: Glue required if not heated, Glue unrequired if heated 60-70°C
- Bubble: no bubble
- Tension(kgf): 8-12
- Melt Mass Flow Rate: 6-11g/10min
- (220°C,2.16kg) Breaking Elongation: 210%

■ Colors

Nature  Black  Red  Yellow  Blue  Green  Purple
 Pink  Gold  Silver  Orange  Grey  Glow blue  Glow green
 (Standardized pantone colors are available)

■ Data Table

Physical Properties	Standard Value	Test Method
Density	1.27-1.29g /cm ³	ASTM D792
MFR (210°C, 2.16KG)	6-11g / 10 minutes	ASTM D1238
Water absorption (saturation, 23°C)	0.3%	ASTM D570
Mechanical Properties	Standard Value	Test Method
Tensile strength	≥53 MPa	ASTM D638
Tensile modulus	≥2,100 MPa	ASTM D638
Notch impact strength (IZOD, 23°C)	≥3KJ/m ²	ISO 180
Elongation at break	≥3.0%	ASTM D638
Accuracy	Standard Value	Test Method
Filament diameter	1.75mm/2.85mm/ 3.50mm	Q/WT 001-2014
Roundness deviation	≤0.05mm	Q/WT 001-2014