



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.

