

3DPower Basic PET-G

3DPower Basic PETG filament is a very popular material for 3D printing. It is perfect for users who want to print functional parts. Its popularity is mainly due to the fact that it combines the properties of both PLA and ABS, and is relatively easy to print, and at the same time mechanically durable. PETG filament is made of components approved for contact with food. 100% recyclable.

The 3DPower PETG filament is characterized by high impact strength, good flexibility and virtually no shrinkage. The softening point of PETG is much higher than that of PLA, around 75 ° C. The filament can be used to print elements resistant to chemicals. The prints are characterized by a high gloss surface.

Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	1000g
Nozzle temperature:	230-250°C
Bed temperature:	60-80°C
Cooling:	50-100%
Print speed:	30-90mm/s

Technical data

Property	Typical Value	Test method
Density	1.27 g/cm ³	D 792
Temperatura ugięcia pod obciążeniem (0.45 MPa)	69°C	D 648
Flexural Modulus	1890 MPa	ISO 527-2
Flexural Strength	65 MPa	ISO 172
Tensile Stress at Yield	25 MPa	ISO 527-2
Tensile Stress at Break	50 MPa	ISO 527-2
Tensile Modulus	1970 MPa	D 790
Elongation at Break	56,50%	D 638
Elongation at Yield	4,10%	ISO 527-2

Disclaimer

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