

3DPower Select PETG

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:	230-260°C
Bed temperature:	60-80°C
Cooling:	50-100%
Print speed:	Up to 250 mm/s

Technical data

Property	Typical Value	Test method
Density	1.27 g/cm ³	D 792
Temperatura ugięcia pod obciążeniem (0.45 MPa)	72°C	D 648
Flexural Modulus	1770 MPa	ISO 527-2
Flexural Strength	63 MPa	ISO 172
Tensile Stress at Yield	23 MPa	ISO 527-2
Tensile Stress at Break	50 MPa	ISO 527-2
Tensile Modulus	1790 MPa	D 790
Elongation at Break	56,50%	D 638
Elongation at Yield	4,00%	ISO 527-2

Disclaimer

Information and technical data about this product, provided in that data sheet are correct to our best knowledge. Data is for comparison purposes only and they should not be used for design specifications or quality control purposes. AM3D Sp.z o.o. makes no guarantees and is not responsible for any damages, injuries, losses caused by the use of materials or influence on the final properties of the product, which may differ from the values given in this document.