

3D Power Basic PLA

PLA filament is the most popular material for 3D printing on the market. It owes its popularity to ease of use, low shrinkage and very good adhesion (no heated bed is required).

3D Power PLA filament is fully biodegradable, warping-free and odorless. Ideal for effortless, colorful and affordable 3D printing. Our filament can be used with most of the FDM 3D printers. PLA filament is the perfect choice for both beginners and advanced users.

Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	1000g
Nozzle temperature:	195-220°C
Bed temperature:	25-40°C
Cooling:	50-100%
Print speed:	40-100mm/s

Technical data

Property	Typical value	Test method
Density	1.24 g/cm ³	D 792
MVR (210°C / 2,16kg)	6 g/10min	D 1238
Heat Deflection Temperature (0.45MPa)	55°C	E 2092
Flexural strength	83 MPa	D790
Tensile strength at break	52 MPa	D 882
Flexural modulus	3.8 MPa	D790
Elongation at break	6,00%	D 882

Disclaimer

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