

## 3DPower SILK

The 3DPower SILK filament was created by combining PLA and PET-G in the appropriate proportions. As a result, the filament gained the shine characteristic of PET-G. In addition, the mechanical strength and impact strength are higher than in the case of ordinary PLA, while maintaining the ease of printing PLA.

SILK filament is characterized by low shrinkage and no unpleasant odor. 3DPower SILK prints are characterized by excellent layer adhesion and very good detail reproduction. 3DPower SILK filament, thanks to its amazing gloss, is perfect for printing decorations or objects with high aesthetics.

### Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	1000g
Nozzle temperature:	210-240°C
Bed temperature:	30-60°C
Cooling:	50-100%
Print speed:	40-100mm/s

### Technical data

Property	Typical value	Test method
Density	1.22 g/cm <sup>3</sup>	D 792
Flexural modulus	2400 MPa	ISO 527
Tensile Strength at Break	45 MPa	ISO 527
Tensile Strength at Yield	59 MPa	ISO 527
Elongation at Break	10%	ISO 527
Elongation at Yield	5.1%	ISO 527
Heat Deflection Temperature	50°C	ISO 75
VICAT softening point	51°C	ISO 306
Glass Transition Temperature	57°C	DSC

#### Disclaimer

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