

Date of issue: May 24<sup>th</sup>, 2023  
Version: v1.0

This filament is perfect for anyone who wants to add a touch of luxury to their prints with a gorgeous, silk-like appearance. The smooth, reflective surface catches the light, is easy to print and hides layer lines, adding magic and mystery to the 3D-print.

**TYPICAL MATERIAL PROPERTIES – 3D Printed**

<b>Physical properties</b>	<b>Unit</b>	<b>Value</b>	<b>Method</b>
Tensile modulus	MPa	3113,17	ISO 527
Yield strength	MPa	62,76	ISO 527
Yield strain	%	2,59	ISO 527
Tensile strength	MPa	61,90	ISO 527
Tensile strain at tensile strength	%	2,62	ISO 527
Tensile stress at break	MPa	54,77	ISO 527
Tensile strain at break	%	3,71	ISO 527
Flexural modulus	MPa	2952,96	ISO 178
Flexural strain at standard deflection	MPa	93,08	ISO 178
Flexural strength	MPa	98,75	ISO 178
Flexural strain at flexural strength	%	4,39	ISO 178
Flexural stress at break	MPa	N/A	ISO 178
Flexural strain at break	%	N/A	ISO 178
Charpy unnotched impact strength	kJ/m2	19,96	ISO 179-1/1 eU
Charpy notched impact strength	kJ/m2	3,00	ISO 179-1/1 eU
Density	g/cm <sup>3</sup>	1,24	ISO 12154
Glass Transition Temperature	°C	55	ISO 11357

# Technical datasheet

## PLA Silk

color**Fabb**

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### FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0.1mm	≥ 95%
2,85 mm	± 0.1mm	≥ 95%

### Netto filament weight

### GUIDELINE FOR PRINT SETTINGS

Nozzle temperature	225 – 235 °C
Bed temperature	55 – 65 °C
Bed surface / modification	Tape or glue
Active cooling fan	100 %
Print speed	50 – 60 mm/s

### Notes

#### Disclaimer

The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.