

# Technical Data Sheet

(Printed, non-injection molded)

Product name: **3DJAKE ecoPLA Silk**

Version: 1.1

Date: 01.03.2024

## Dimensions

Size	Ø tolerance	Roundness
<b>1,75 mm</b>	± 0,05 mm	≥ 95%

## Physical properties

Description	Typical value	Test method
Specific gravity	1,224 g/cc	ISO 1183
MFR 210 °C/2,16kg	10,92 g/10 min	ASTM-D-1238
Tensile strength at Yield	39,928 MPa	ISO 527
Strain at yield	10,166%	ISO 527
Strain at break	44,554%	ISO 527
E-Modulus	411,583 MPa	ISO 527
Impact strength	3,309 kJ/ m <sup>2</sup>	ISO 179

## Thermal properties

Description	Typical value	Test method
Printing temperature	210 – 230 °C	-

### **Packaging:**

All spools are sealed and packed with silica gel to avoid humidity.

### **Additional info:**

Due to its low tendency to warp 3DJAKE ecoPLA Silk can also be printed without a heated bed.

If you have a heated bed the recommended temperature is ± 35-60°C.

PLA can be used on all common desktop FDM or FFF technology 3D printers.

**Storage:** Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.