

# Technical Data Sheet

Product name: **3DJAKE mattePLA**

Version: 1.0

Date: 01.10.2024

## Dimensions

Size	Ø tolerance	Roundness
1,75 mm	± 0,05 mm	≥ 95%

## Physical properties

Description	Typical value	Test method
Specific gravity	1,3	ISO 1183
Tensile strength	47 MPa	ISO 527
Tensile E-Modulus	2600 MPa	ISO 527
Elongation at yield	4 %	ISO 527
Elongation at break	19 %	ISO 527-2
Flexural E-Modulus	2650 MPa	ISO 178
VICAT A (VST)	60 °C*	ISO 306
MFR	5 g/10min	ISO 1133

## Thermal properties

Description	Typical value	Test method
Printing temperature	200 – 230 °C	-

## Packaging:

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

## Additional info:

Recommended heat bed temperature to print 3DJAKE mattePLA: ± 0 – 60 °C

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

\*Temperature resistance tested with a wall thickness of at least 4 mm.