

# Technical Data Sheet

Product name: **3DJAKE PETG**

Version: 2.0

Date: 01.03.2024

## Dimensions

Size	Ø tolerance	Roundness
<b>1,75 mm</b>	± 0,05 mm	≥ 95%
<b>2,85 mm</b>	± 0,10 mm	≥ 95%

## Physical properties

Description	Typical value	Test method
Specific gravity	1,27 g/cc	ISO 1183
MFR 190 °C/2,16kg	6,4 g/10 min	ISO 1133
Tensile strength at Yield	50 MPa	ISO 527
Strain at yield	6%	ISO 527
Strain at break	23%	ISO 527
Tensile modulus	2020 MPa	ISO 527
Flexural modulus	2050 MPa	ISO 178
Flexural strength	69 MPa	ISO 178
Impact strength	8,1 kJ/m <sup>2</sup>	ISO 179
Rockwell Hardness	105	ASTM D785
Moisture absorption	1104 ppm	ISO 62
Transparency	90%	ASTM D1003

## Thermal properties

Description	Typical value	Test method
Printing temperature	230 – 250 °C	-
Heat deflection temp.	70 °C	ASTM 648

### Packaging:

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

### Additional info:

Recommended temperature for heated bed is ± 60-80°C. Adhesion is possible on different surfaces.

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