

# Technical Data Sheet

Product name: **3DJAKE PETG Matte**

Version: 1.0

Date: 05.03.2025

## Dimensions

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

## Physical properties

Description	Typical value	Unit	Test method
Density	1,41	g/m <sup>3</sup>	ISO 1183-1/A
Tensile modulus (E-Modulus)	3100 ± 46	MPa	ISO 527
Yield stress	53 ± 0,2	MPa	ISO 527
Elongation at yield	3,5 ± 0,1	%	ISO 527-2
Strength	53 ± 0,2	MPa	ISO 527
Elongation at break	7,6 ± 1,1	%	ISO 527-2
Notched impact strength	1,7 ± 0,4	kJ/m <sup>2</sup>	ISO 180
Unnotched impact strength	78 ± 6	kJ/m <sup>2</sup>	ISO 180
Heat Deflection Temperature HDT/B	67	°C	ISO 15075
VICAT A (VST)	85	°C	ISO 306
Flammability	3,2	V-2	UL 94
Shore hardness	76	Shore D	ISO 868/D

## Print Setting

Description	Typical value
Printing temperature	210 – 240 °C
Heated bed	60 – 90 °C
Adhesive	Not required
Speed	20 – 200 mm / s
Cooling	20 – 50 %
Enclosure	For larger prints
Hardened nozzle	Not required
Max. volumetric speed	12 mm <sup>3</sup> /s

## Packaging:

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

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