

# Technical Data Sheet

Product name: **3DJAKE ABS**

Version: 1.0

Date: 01.10.2024

## Dimensions

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

## Physical properties

Description	Typical value	Test method
Specific gravity	1,06	ASTM D792
Tensile strength	49 MPa	ASTM D638
Tensile E-Modulus	2350 MPa	ASTM D638
Elongation at yield	5 %	ASTM D638
Elongation at break	10 %	ASTM D638
Flexural Strength	78 MPa	ASTM D790
Flexural E-Modulus	2550 MPa	ASTM D790
VICAT A (VST)	92 °C*	ASTM D792
MFR	21 g/cm <sup>3</sup>	ASTM D1238
HDT/B	85 °C	ASTM D648

## Thermal properties

Description	Typical value	Test method
Printing temperature	220 – 250 °C	-

## Packaging:

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

## Additional info:

Recommended heat bed temperature to print 3DJAKE ABS: ± 100 – 110 °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.