

Technical Data Sheet

Product name: **3DJAKE niceBIO**

Version: 2.0

Date: 01.03.2024

Dimensions

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

Physical properties

Description	Typical value	Test method
Specific gravity	1,33 g/cc	ISO 1183
MFR 210 °C/2,16kg	7 g/10 min	ISO 1133
Tensile strength	55 MPa	ISO 527
Breaking stress	2%	ISO 527
Flexural modulus	5100 MPa	ISO 527
Impact strength	43 kJ/ m ²	ISO 179-1/1eA
Shrinking	0,4 %	ISO 294-4

Thermal properties

Description	Typical value	Test method
Printing temperature	200 – 230 °C	-
Melting temperature	190 °C ± 10 °C	ISO 3146-C
VICAT A	146 °C	ISO 306
HDT / B	54 °C	ISO 75

Packaging:

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

Additional info:

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

If you have a heated bed the recommended temperature is ± 0-60°C.

niceBIO 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.