

Technical Data Sheet

(Printed, non-injection molded)

Product name: **3DJAKE magicPLA**

Version: 1.0

Date: 01.01.2024

Dimensions

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

Physical properties

Description	Typical value	Test method
Specific gravity	1,243 g/cc	ISO 1183
MFR 210 °C/2,16kg	9,44 g/10 min	ASTM-D-1238
Tensile strength at Yield	45,830 MPa	ISO 527
Strain at yield	10,037%	ISO 527
Strain at break	20,4%	ISO 527
E-Modulus	390 MPa	ISO 527
Impact strength	2,856 kJ/ m ²	ISO 179

Thermal properties

Description	Typical value	Test method
Printing temperature	210 – 230 °C	-

Packaging:

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

Additional info:

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

If you have a heated bed the recommended temperature is ± 35-60°C.

PLA 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.