

Technical Data Sheet

Product name: **3DJAKE magicPLA**

Version: 1.0

Date: 01.11.2021

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	1,24 g/cc	ISO 1183
MFR 210 °C/2,16kg	8,2 g/10 min	ISO 1133
Tensile strength at yield	71 MPa	ISO 527
Tensile strength at break	71 MPa	ISO 527
Strain at yield	3,2%	ISO 527
Strain at break	3,6%	ISO 527
E-Modulus	3200 MPa	ISO 527
Impact strength	2,6 kJ/m ²	ISO 179 1eA

Thermal properties

Description	Typical value	Test method
Printing temperature	215 – 235 °C	-
Vicat softening temp.	58,2 °C	ISO 306 B50

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 ± 50-70°C.

3DJAKE magicPLA 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.