

# Technical Data Sheet



Product name: **3DJAKE ecoPLA**

Version: 1.1

Date: 01.09.2018

## Dimensions

Size	∅ 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	9,56 g/10 min	ISO 1133
Tensile strength at Yield	70 MPa	ISO 527
Strain at yield	5%	ISO 527
Strain at break	20%	ISO 527
E-Modulus	3120 MPa	ISO 527
Impact strength	3,4kJ/ m <sup>2</sup>	ISO 179
Moisture absorption	1968 ppm	ISO 62

## Thermal properties

Description	Typical value	Test method
Printing temperature	195 – 215 °C	-
Melting temperature	115 °C ± 35 °C	ISO 11357
Vicat softening temp.	60 °C	ISO 306
Glass transition temp.	57 °C	ISO 11357

## Packaging:

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

## Additional info:

Due to its low tendency to warp 3DJAKE ecoPLA 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.