

# Technical Data Sheet



Product name: **3DJAKE nicePVA**

Version: 1.1

Date: 09.04.2019

## Dimensions

Size	∅ tolerance	Roundness
<b>1,75 mm</b>	± 0,05 mm	≥ 95%
<b>2,85 mm</b>	± 0,10 mm	≥ 95%

## Physical properties

Description	Typical value	Test method
Specific gravity	1,22 g/cc	ASTM D1505
MFR 220 °C	2,3 g/10 min	-
Tensile modulus	3500 MPa	ISO 527
Impact strength	1,7 kJ/m <sup>2</sup>	ISO 179

## Thermal properties

Description	Typical value	Test method
Printing temperature	205 – 235 °C	-
Melting temperature	163 °C	-
Vicat softening temp.	60 °C	ISO 306

### **Packaging:**

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

### **Additional info:**

Recommended temperature for heated bed is ± 0 - 60°C. Do not exceed a printing temperature of 235°C, because then PVA crystallizes quickly and it will no longer flow and/or dissolve in water.

The speed at which the product dissolves in water is dependent on the volume of the printed object and the temperature of the water. nicePVA dissolves in cold water. Higher water temperature (up to 70°C is no problem) will accelerate the dissolution.

**Storage:** Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.