

# Technical Data Sheet

Product name: **3DJAKE niceABS**

Version: 2.0

Date: 01.03.2024

## Dimensions

| Size           | Ø 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          | 1,1 g/cc             | ISO 1183    |
| MFR 260 °C/5kg            | 41 g/10 min          | ISO 1133    |
| Tensile strength at Yield | 43,6 MPa             | ISO 527     |
| Strain at break           | 34%                  | ISO 527     |
| Tensile modulus           | 2030 MPa             | ISO 527     |
| Impact strength           | 58kJ/ m <sup>2</sup> | ISO 179     |

## Thermal properties

| Description           | Typical value  | Test method |
|-----------------------|----------------|-------------|
| Printing temperature  | 235 – 255 °C   | -           |
| Melting temperature   | 235 °C ± 10 °C | ISO 294     |
| Vicat softening temp. | 97 °C          | ISO 306     |

### **Packaging:**

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

### **Additional info:**

Recommended temperature for heated bed is ± 80°C.

3DJAKE niceABS is printed at high temperatures to make the final product extra strong.

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