

Technical Data Sheet

Product name: **3DJAKE ABS CF**

Version: 1.0

Date: 06.11.2025

Dimensions

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

Physical properties

Description	Typical value	Unit	Test method
Density	1,08	g/cm ³	ISO 1183-1/A
Shrinkage (3,2 mm)	0,35	%	ISO 294-4
MFR (220 °C / 10 kg)	17	cm ³ /10 min	ISO 1133
Tension strength	59	MPa	ISO 527
Elongation at break	7	%	ISO 527
Young's modulus	3000	MPa	ISO 527
Flexural strength	85	MPa	ISO 178
Flexural modulus	3080	MPa	ISO 178
Notched impact strength (Izod, 23 °C)	14	kJ/m ²	ISO 180/1A
Notched impact strength (Izod, -30 °C)	7	kJ/m ²	ISO 180/1A
Notched impact strength (Charpy, 23 °C)	14	kJ/m ²	ISO 179/1eA
Notched impact strength (Charpy, -30 °C)	7	kJ/m ²	ISO 179/1eA
HDT (1,8 MPa, flatwise)	87	°C	ISO 75
Vicat (50 N, 50 °C/h)	98	°C	ISO 306

Print Setting

Description	Typical value
Printing temperature	220 – 250 °C
Heated bed	100 – 110 °C

Packaging:

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

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