



Technical Data Sheet: CreatBot ASA-CF

Print parameters	
Project	Data
Pre-printing drying conditions	80-90℃ , 6-8 H
Nozzle temperature	250-280℃
Nozzle Diameter	0.4 / 0.6 / 0.8 / 1.0 mm
Print bed surface treatment	3D Printing Spray / PVP Glue Stick / Specialized Adhesive
Print bed temperature	80-100℃
Chamber temperature	45-60℃
Cooling fan speed	0-80%
Print speed	≤250 mm/s

Physical Properties	Test method	Data
Density	ISO1183	1.02g/cm³
Saturated water absorption rate	25℃ , 55%RH	0.33%
Melt index	280℃ , 2.16 kg	1.74g/10 min
Melting temperature	DSC, 10℃/ min	210℃
Vicat softening temperature	ISO 306,GB/T 1633	108
Determination of temperature	ISO 75 , 0.45MPa	110℃

Mechanical Properties	Test method	Data
Tensile strength XY	ISO 527, GB/T 1040	32 MPa
Tensile strength Z	ISO 527, GB/T 1040	29 MPa
Young's modulus XY	ISO 527, GB/T 1040	4100 MPa
Young's modulus Z	ISO 527, GB/T 1040	2200 MPa
Elongation at break XY	ISO 527, GB/T 1040	9.3%
Elongation at break Z	ISO 527, GB/T 1040	4.2%
Bending strength XY	ISO 178, GB/T 9341	3700 MPa
Bending strength Z	ISO 178, GB/T 9341	1300 MPa
Bending modulus XY	ISO 178, GB/T 9341	70 MPa
Bending modulus Z	ISO 178, GB/T 9341	30 MPa
Impact strength XY	ISO 179, GB/T 1043	13.3 kJ/m²
Impact strength Z	ISO 179, GB/T 1043	9.2 kJ/m²

Disclaimer:

The above material performance data is from the CreatBot Laboratory and is intended solely for reference and comparison.

Actual 3D-printed model performance varies based on multiple factors, such as the printer, printing conditions, model geometry, and slicing software settings.

Users assume full responsibility for the legality and safety of their 3D printing when using CreatBot materials.

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