



Technical Data Sheet: CreatBot ABS-FR

Print parameters	
Project	Data
Pre-printing drying conditions	60-80℃ , 6-8 H
Nozzle temperature	230-260℃
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	90-110℃
Chamber temperature	/
Cooling fan speed	/
Print speed	< 200 mm/s

Physical Properties	Test method	Data
Density	ISO1183	1.18g/cm³
Saturated water absorption rate	25℃ , 55%RH	/
Melt index	220℃ , 10 kg	21g/10 min
Melting temperature	DSC, 10℃/ min	/
Vicat softening temperature	ISO 306,GB/T 1633	/
Determination of temperature	ISO 75 , 0.45MPa	90℃

Mechanical Properties	Test method	Data
Tensile strength XY	ISO 527, GB/T 1040	35 MPa
Tensile strength Z	ISO 527, GB/T 1040	/
Young's modulus XY	ISO 527, GB/T 1040	/
Young's modulus Z	ISO 527, GB/T 1040	/
Elongation at break XY	ISO 527, GB/T 1040	10%
Elongation at break Z	ISO 527, GB/T 1040	/
Bending strength XY	ISO 178, GB/T 9341	72 MPa
Bending strength Z	ISO 178, GB/T 9341	26 MPa
Bending modulus XY	ISO 178, GB/T 9341	2280 MPa
Bending modulus Z	ISO 178, GB/T 9341	1400 MPa
Impact strength XY	ISO 179, GB/T 1043	22 kJ/m²
Impact strength Z	ISO 179, GB/T 1043	3 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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