Technical Data Sheet: CreatBot PETG

Print parameters	
Project	**Data**
Pre-printing drying conditions	70-80℃, 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	70-90℃
Chamber temperature	/
Cooling fan speed	ON
Print speed	< 200 mm/s

Physical Properties	Test method	Data
Density	ISO1183	1.25g/cm^3
Saturated water absorption rate	25℃, 55%RH	0.45%
Melt index	240℃, 2.16 kg	22.6g/10 min
Melting temperature	DSC, 10℃/ min	/
Vicat softening temperature	ISO 306,GB/T 1633	69℃
Determination of temperature	ISO 75 , 0.45MPa	71℃

Mechanical Properties	Test method	Data
Tensile strength XY	ISO 527, GB/T 1040	50 MPa
Tensile strength Z	ISO 527, GB/T 1040	34 MPa
Young's modulus XY	ISO 527, GB/T 1040	2800 MPa
Young's modulus Z	ISO 527, GB/T 1040	2560 MPa
Elongation at break XY	ISO 527, GB/T 1040	9.6%
Elongation at break Z	ISO 527, GB/T 1040	5.3%
Bending strength XY	ISO 178, GB/T 9341	76 MPa
Bending strength Z	ISO 178, GB/T 9341	56 MPa
Bending modulus XY	ISO 178, GB/T 9341	1980 MPa
Bending modulus Z	ISO 178, GB/T 9341	1730 MPa
Impact strength XY	ISO 179, GB/T 1043	34.2 kJ/m²
Impact strength Z	ISO 179, GB/T 1043	10.3 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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