



## Technical Data Sheet : CreatBot PET-CF

Date: 28.07.2023

Version No: 2.0

Physical Properties	Standard	Typical Value	Unit
Density	ISO1183	1.30	g/cm <sup>3</sup>

Mechanical Properties	Standard	Typical Value	Unit
Tensile Strength	ISO527	87.41	MPa
Tensile Modulus	ISO527	6025.53	MPa
Flexural Strength	ISO178	122.69	MPa
Flexural Modulus	ISO178	5313.21	MPa

Deflection Temperature	Standard	Typical Value	Unit
Before Annealing (0.45MPa)	ISO75	80	°C
After Annealing (0.45MPa)	ISO75	148.8	°C

Printed Specimen Conditions	
Printer	CreatBot PEEK-300
Nozzle Temperature	320°C
Bed Temperature	80°C
Print Speed	45mm/s
Infill	100%, +/- 45°
Nozzle size	0.4mm
Layer height	0.15mm
Post-processing	100° C Annealing 8 hours