



Technical Data Sheet : CreatBot PLA

Date: 12.04.2022

Version No: 2.0

Physical Properties	Standard	Typical Value	Unit
Density	ISO1183	1.2	g/cm ³

Mechanical Properties	Standard	Typical Value	Unit
Tensile Strength	ISO527	65	MPa
Tensile Modulus	ISO527	2865	MPa
Flexural Strength	ISO178	97	MPa
Flexural Modulus	ISO178	3185	MPa

Thermal Properties	Standard	Typical Value	Unit
Deflection Temperature (0.45MPa)	ISO75	56	°C
Glass Transition Temperature	DSC	55	°C

Printed Specimen Conditions	
Printer	CreatBot F430
Nozzle Temperature	210°C
Bed Temperature	45°C
Print Speed	40mm/s
Infill	100%, +/- 45°
Nozzle size	0.4mm
Layer height	0.2mm