

Reclaimed 20% Carbon Fiber Reinforced ABS 3D Printing Filament

Physical Properties	Unit	Typical Value
Density	g/cc	1.13

Mechanical Properties	Unit	Typical Value	Unit	Typical Value
Tensile Strength Ultimate	Mpa	54	Psi	7832.04
Tensile Modulus	Gpa	6.95	Msi	1008.012
Tensile Elongation	%	1.24		
Flexural Strength Ultimate	Mpa	68.4	Psi	9920.6
Flexural Modulus	Gpa	4.63	Msi	671.5
Strain	%	2.18		

Printer	Open Source FDM/FFF
Nozzle	0.6 mm Hardened Steel
Layer Height	0.2 mm
Infill	+/- 45 ⁰
Specimen Orientation	XY Flat
Extrusion Temperature	230 ⁰ c
Bed temperature	110 ⁰ c

The test results are an average of 6 specimen for each test. We believe that the information contained in this technical data sheet is correct to the best to our knowledge. This technical data sheet does not anticipate all the circumstances in which the product may be used, nor all the physical and mental characteristics of each individual responsible for its transportation or transformation. It is the duty of the user to test and use this product safely.

