

Carbon Fiber Nylon Datasheet

Physical properties

Property	Test Method	Value	Comment
Density (gcm ⁻³)	ASTM D792	1.01	
Heat Deflection Temperature (°C)	ASTM D648 at 66 psi	167	
Flexural Peak Stress (psi)	ASTM D790	12,400	
Flexural Modulus (psi)	ASTM D790	385,000	
Tensile Strength at Yield (psi)	ASTM D638, Type IV	9,625	
Tensile Elongation (%)	ASTM D638, Type IV	8.1	
Notched Izod Impact (Jm ⁻¹)	ASTM D256	100	

Recommended Printer Settings

Parameter	Value
Nozzle temperature	240-260°C
Heated bed temperature	70°C
Speed	30-150 mm/s
Infill	As needed, up to 100 %
Layer height	0.2 mm
Cooling fan	On