

# Technical Data Sheet (TDS): Carbon Fiber Alloy Nylon

## Carbon Fiber Alloy Nylon from taulman3D

[contact@taulman3d.com](mailto:contact@taulman3d.com)

HS Code	3916.9
Printing Temperature	250-260C
Print Bed Temperature	55C
Optimal Bed Surface	Garolite or Glass
Drying Temperature	60C for 8 Hours
Melting Temperature (ISO 11357-3)	199C
Heat Deflection Temperature (ISO 75)	155C
Tensile Strength (ISO 527)	140 MPa
Ultimate Tensile Elongation (ISO 527)	5.1%
Elastic Modulus (ISO 527)	5,825 MPa
Izod Impact Toughness (ISO 180/A)	4.2 kJ/m <sup>2</sup>
Specific Gravity (ISO 1183)	1.16
Color	Black
Print Speed	40mm/s
Maximum Layer Height	.24mm
FDA Direct Food Contact	No
FDA Direct Drink Contact	No
Fiber Fill Percentage	13%
Diameter Tolerances	1.75mm ± 0.04mm / 2.85mm ± 0.06mm
Spool Type	HIPS
Country of Origin	United States of America
Nominal Diameters	1.75mm and 2.85mm (3mm)
Manufacturer	Taulman3D