



3D Printing Filament

TECHNICAL DATA SHEET Nylforce CNT Conductive

Commercial name: Fiber Force Nylforce CNT Conductive
Raw material: Biopolymer Compound + Carbon Nano Tubes
Designation: 3D printing applications
Manufacturer: Fiber Force Italy srl – Vicolo Dotti 4 – 31100 Treviso - Italy

Material specifications

Property	Value	Test Method - ISO
Density	1,35 g/cm ³	1183
Melting point	145 – 160°C	1183
Elastic Modulus	1550 MPa	527
Tensile Strength	30 MPa	527
Charpy Impact Strength	9 kJ/m ²	179-1eA
Degradation Temperature	250°C	/
Surface Electric Resistivity	1E1 ohm	D257

Filament specifications

Property	Value and Tolerances
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Roundness deviation	max 3%
Suggested print temperature (guideline)	215°C
Suggested print speed	40 – 85 mm/s
Suggested bed temperature	30-50°C (not necessary)