

## 3D Printing Filament

# TECHNICAL DATA SHEET VOLUMIC 3D

Commercial name: Conductif Ultra  
 Raw material: Biopolymer Compound + Carbon Nano Tubes  
 Designation: 3D printing applications  
 Reseller: VOLUMIC 3D - 12bis Rue Louis GARNERAY - 06300 NICE France

### Material specifications

Property	Value	Test Method - ISO
Density	1,35 g/cm <sup>3</sup>	1183
Melting point	145 – 160°C	1183
Elastic Modulus	1550 MPa	527
Tensile Strength	30 MPa	527
Charpy Impact Strength	9 kJ/m <sup>2</sup>	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
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)