



## 3D Printing Filament

### TECHNICAL DATA SHEET HS-PLA

Commercial name: Fiber Force HS-PLA  
Raw material: Modified PLA – Polylactid Acid  
Designation: 3D printing applications  
Manufacturer: Fiber Force Italy srl – Vicolo Dotti 4 – 31100 Treviso - Italy

#### Material specifications

Property	Value	Test Method - ASTM
Density	1,25 g/cm <sup>3</sup>	D1505
Melting point	135 – 160°C	D3418
Flextural Strength	90 MPa	D790
Tensile Strength	60 MPa	D638
Degradation Temperature	250°C	/

#### 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)	200°C
Suggested print speed	Up to 400 mm/s
Suggested bed temperature	30-50°C (not necessary)