



3D Printing Filament

TECHNICAL DATA SHEET ST-ABS

Commercial name: Fiber Force ST-ABS
Raw material: ABS – Acrylonitrile Butadiene Styrene
Designation: 3D printing applications
Manufacturer: Fiber Force Italy srl – Vicolo Dotti 4 – 31100 Treviso - Italy

Material specifications

Property	Value	Test Method - ISO
Density	1,05 g/cm ³	1183B
Vicat Softening Temperature	102°C	306/B50
Tensile Modulus	2150 MPa	527-2
Tensile Stress	43 MPa	527-2/50
Flextural Modulus	2100 MPa	178
Flextural Stress	70 MPa	178

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)	240 – 250°C
Suggested print speed	40 – 80 mm/s
Suggested bed temperature	90-110°C