



3D Printing Filament

TECHNICAL DATA SHEET PC-ABS

Commercial name: Fiber Force PC-ABS
Raw material: PC-ABS (Polycarbonate-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	1,09 g/cm ³	1183B
Vicat Softening Temperature	109°C	306/B50
Tensile Modulus	2000 MPa	527-2
Tensile Stress	43 MPa	527-2/50
Notched Impact Strength	50 kJ/m ³	179/1
Molding shrinkage	0.4 – 0.7 %	294-4

Filament specifications

Property	Value and Tolerances
Diameter 1.75mm	1.75 ± 0.08 mm
Diameter 2.85mm	2.85 ± 0.08 mm
Roundness deviation	max 4%
Suggested print temperature (guideline)	240 – 260°C
Suggested print speed	30 – 60 mm/s
Suggested bed temperature	100-110°C