

### 3D Printing Filament

## TECHNICAL DATA SHEET ABS-PRO

Commercial name: Fiber Force ABS-PRO  
 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 <sup>3</sup>	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
Notched Izod Impact Strength	19 KJ/ m <sup>2</sup>	180/A

#### Filament specifications

Property	Value and Tolerances
Diameter 1.75mm	1.75 ± 0.05 mm
Diameter 2.85mm	N/A
Roundness deviation	max 3%
Suggested print temperature (guideline)	245 – 265°C
Suggested print speed	40 – 70 mm/s
Suggested bed temperature	90-110°C