



3D Printing Filament

TECHNICAL DATA SHEET FUSION-X

Commercial name: Fiber Force Fusion-X
Raw material: PET Copolymer
Designation: 3D printing applications
Manufacturer: Fiber Force Italy srl – Vicolo Dotti 4 – 31100 Treviso - Italy

Material specifications

Property	Value	Test Method - ASTM
Density	1,28 g/cm ³	D792
Melting point	N/A	D3418
Tensile Strength	520 kgf/cm ²	D638
Flextural Strength	680 kgf/cm ²	D790
Flextural Modulus	20700 kgf/cm ²	D790
Elongation at Break (@yeld)	175% (5%)	D638
Glass Transition Temperature	62°C	D3418
Izod Impact Strength, Notched	108 J/m	D256
Heat Distortion Temperature	72°C	D648

Filament specifications

Property	Value and Tolerances
Diameter 1.75mm	1.75 ± 0.03 mm
Diameter 2.85mm	2.85 ± 0.05 mm
Roundness deviation	max 2%
Suggested print temperature (guideline)	230-240°C
Suggested print speed	40 – 75 mm/s
Suggested bed temperature	75°C