

Technical Data Sheet

Stripped Back. Tuned for Speed. Built for Makers.

Filaform Naked is engineered for modern high-speed 3D printing while removing the unnecessary — no box, simplified packaging, and optimised logistics — without compromising print quality, reliability, or durability. Designed for classrooms, makers, and production environments using the latest high-speed printers.



Use With Adhesive Spray

Recommended for use with Filaform Adhesive Spray to prevent warping and ensure secure contact to the bed

This is sold in a standard version for low temperature materials (PLA, PETG, TPU, Silk)



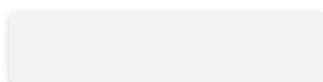
Colour Range



Cream White

#EDEBE8

Pantone 7541 C



Jade White

#F3F3F4

Pantone Cool Gray 1C



Pastel Beige

#F9CDB4

Pantone 712 C



Pastel Pink

#F2AACC

Pantone 1905 C



Pastel Yellow

#FBE668

Pantone 101 C



Bright Orange

#E9480C

Pantone 1655 C



Burnt Orange

#EB7130

Pantone 1585 C



Turquoise Blue

#5DCFC2

Pantone 326 C



Sky Blue

#44B4CD

Pantone 297 C



Cobalt Blue

#2A5EB0

Pantone 286 C



Navy Blue

#202E52

Pantone 282 C



Mint Green

#65D07C

Pantone 354 C



Forest Green

#319048

Pantone 348 C



Army Green

#274830

Pantone 5535 C



Acai Purple

#695C8C

Pantone 2685 C



Royal Purple

#9F5DD8

Pantone 2592 C



Watermelon Red

#FD7279

Pantone 178 C



Cherry Red

#CF3230

Pantone 186 C



Coffee Brown

#663C29

Pantone 4625 C



Lilac Grey

#968CA7

Pantone 668 C



Slate Grey

#9C9C9C

Pantone Cool Gray 7C



Matte Black

#212223

Pantone Black 6C

Data Table

Property	Value
Density (g/cm ³ at 23°C)	1.28
Vicat softening temperature (°C)	68
Glass transition temperature (°C)	71
Young's modulus (X-Y, MPa)	2010
Tensile strength (X-Y, MPa)	37
Flexural strength (X-Y, MPa)	102
Flexural modulus (X-Y, MPa)	2538
Notched IZOD impact strength (X-Y, kJ/m ²)	7.8
Printing temperature (°C)	235-255
Bed temperature (°C)	75-80
Printing speed	300-400mm/s
Recommended drying setting	60-65°C

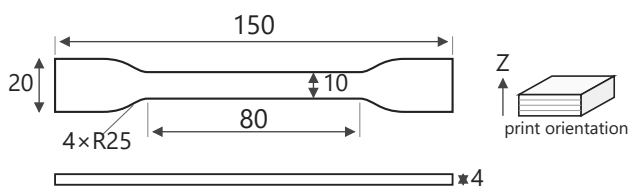
Testing method of Vicat softening temperature is ISO 306. Testing method of glass transition temperature is ISO 11357-3. Testing method of Young's modulus and Tensile strength is ISO 527. Testing method of Flexural strength and Flexural modulus is ISO 178. Testing method of Notched IZOD impact strength is ISO 180. Testing method of Density is ISO 1183.

Printing speed is based on 0.4mm line width and 0.2mm layer height. It varies with different line width and layer height.

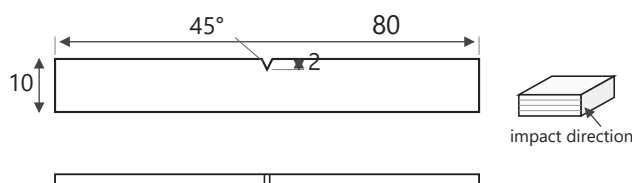
Test Specimens

Printing temperature	240°C
Print speed	45mm/s
Raster angle	90°

TENSILE TESTING SPECIMEN
ISO 527

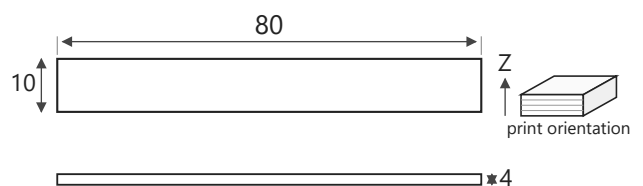


IMPACT TESTING SPECIMEN
ISO 180



Infill	100%
Environmental temperature	Ambient
Cooling fan	ON

FLEXURAL TESTING SPECIMEN
ISO 178



Disclaimer

The typical values presented in this data sheet are intended for reference and comparison purposes only. They should not be used for design specifications or quality control purposes. Actual values may vary significantly with printing conditions. End-use performance of printed parts depends not only on materials, but also on part design, environmental conditions, printing conditions, etc. Product specifications are subject to change without notice. Each user is responsible for determining the safety, lawfulness, technical suitability, and disposal/ recycling practices of Filaform materials for the intended application. Filaform makes no warranty of any kind, unless announced separately, to the fitness for any use or application. Filaform shall not be made liable for any damage, injury or loss induced from the use of Filaform materials in any application.