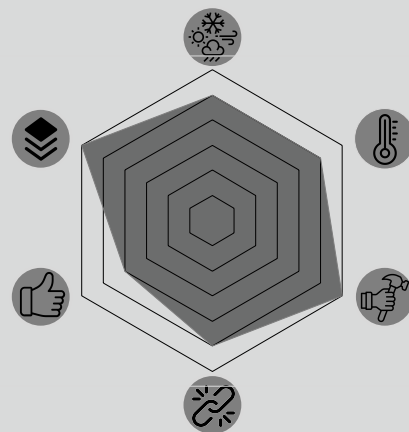


# Material Data Sheet

## TPU 98A

**MATERIAL  
4PRINT**

your filament experts



### Description

TPU 98A filament is a semi-flexible filament that offers high tear and tensile strength. Our TPU filament is resistant against many chemicals and stays flexible even in cold environments.

### Identification

Name	TPU 98A
Chemical Name	Thermoplastic polyurethane
Usage	FDM 3D Printing
Manufacturer	Material 4 Print GmbH & Co. KG, Germany

### Properties

Test	Value	Method
Specific Gravity	1,18 g/cm <sup>3</sup>	ISO 2781
Ultimate Elongation	470%	ISO 527-2/5A/500
Tensile Strength	40 MPa	ISO 527-2/5A/500
Tensile Stress at 50% Elongation	- MPa	ISO 527-2/5A/500
Tensile Stress at 100% Elongation	16 MPa	ISO 527-2/5A/500
Tensile Stress at 300% Elongation	29 MPa	ISO 527-2/5A/500
Tear Strength nicked	175 kN/m	ISO 34-1B
Abrasion Resistance	25 mm <sup>3</sup>	ISO 4649-A
Vicat Softening Point	116 °C	ISO 306 (A50)
Hardness	98A Shore	ISO 868

If you have any further questions about the product or problems in its use, please contact [info@material4print.de](mailto:info@material4print.de)



#### Certificate



Certification depends on colors in the final product. More info in the additional information sheet.

#### Storage

Store at room temperature, out of direct heat and sunlight and in a dry place.

#### Print Settings

Nozzle Temperature: 210-230 °C  
Bed Temperature: 50-60 °C

These data were taken from the raw material manufacturer.

12.04.2021

[www.material4print.de](http://www.material4print.de)

Contact: [info@material4print.de](mailto:info@material4print.de)