

THE FILAMENT TPU 82A

MATERIAL PROPERTIES

General Properties

Specific Gravity	1.21 g/cm3	ISO 1183-1
Shore hardness A	82A	ISO 7619-1

Mechanical Properties

Tensile Strength	28 N/mm2	DIN 53504-S2
Elongation at break	350%	DIN 53504-S2
Tear strength	52 N/mm	ISO 34-1
Abrasion Resistance	30 mm3	ISO 4649

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	210-240°C
Nozzle temperature (High Speed)	
Bed temperature	40-80°C
Closed chamber for printing	not necessary
Dry box recommended	Yes
Ruby or hardened nozzle recommended	No
Adhesive	not necessary (if you need increased adhesion or prevent warping: glue stick, Dimafix, 3DLac, Magigoo)
Cooling	Up to 100%
Surface finish	shiny
Features	up to 350% elongation at break, Shore 82A, high tensile & tear resistance

* settings are based on a 0,4 mm nozzle.
** depending on the geometrical complexity

STORAGE AND SHELF LIFE

Filament should be stored in a dry room at room temperature. Recommended storage temperature is ca. 18-25°C (64.4 -77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months.

SUPPORT

If you have any questions or experience any issues, please do not hesitate to contact us at **support@spectrumfilaments.com**

Disclaimer
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