

# MATERIAL DATA SHEET

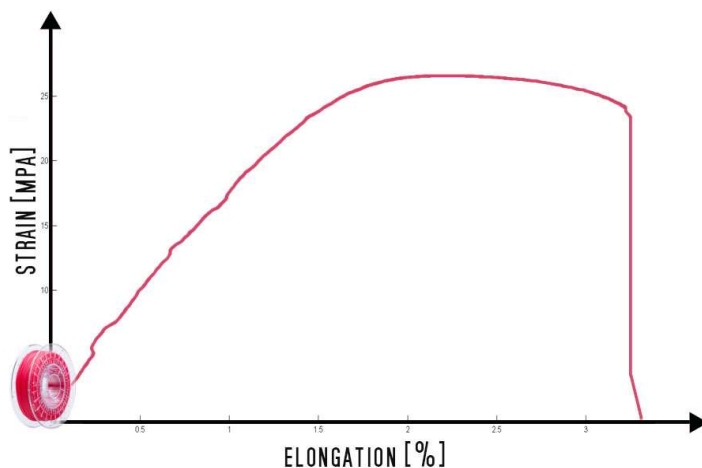
## Smooth ABS



DENSITY	1.01 g/cm <sup>3</sup>
HARDNESS IN SHORE SCALE	74D
SHRINKAGE	0.2-0.4 [%]
ELONGATION AT BREAK	3.2 [%]
STRENGTH AT BREAK	217.36 [N]
RESILIENCE FOR V-NOTCH	1.4 J/cm <sup>2</sup>
YOUNG MODULUS	2086.88 [MPa]
TENSIL AT BREAK	26.32 [MPa]
PRINT TEMPERATURE	220-260 °C
HEATED BED	80-120 °C
NOZZLE	0.2 - 0.4 [mm]
COOLING	0-40 [%]
FLOW	100 [%]

The tests were carried out on standardized samples, in accordance with ISO 148 and ISO 528. The prints were made on a Zortrax M200 printer with models infill up to 80%.

ABS – is a petrochemical copolymer. Acrylonitrile-butadiene-styrene next to PLA is the most popular material in FDM technology. Thanks to the most sophisticated raw materials and qualified engineering team, the 3D printing filament – Smooth ABS – when appropriate printing parameters are applied, guarantees repeatability and high esthetics of the elements. Produced by PrintME ABS is characterized by high flow rate, low shrinkage factor, high mechanical resistance and resilience.



Perfect performance, resistance to scratches, wide temperature spectre (from -40° C to 90° C) make Smooth ABS material that may be applied in multiple fields of industry. Smooth ABS is suitable for the production of all kinds of cases, equipment bodies, elements of bodyworks, indoor car accessories, toys, profiles and prototypes, and anything else you may think of. It is available in wide color selection. In order to reduce the so-called material shrinkage we recommend printing in the closed chamber with the heated table.

### AVAILABLE COLOURS:

