

# MATERIAL DATA SHEET

## EcoLine PLA

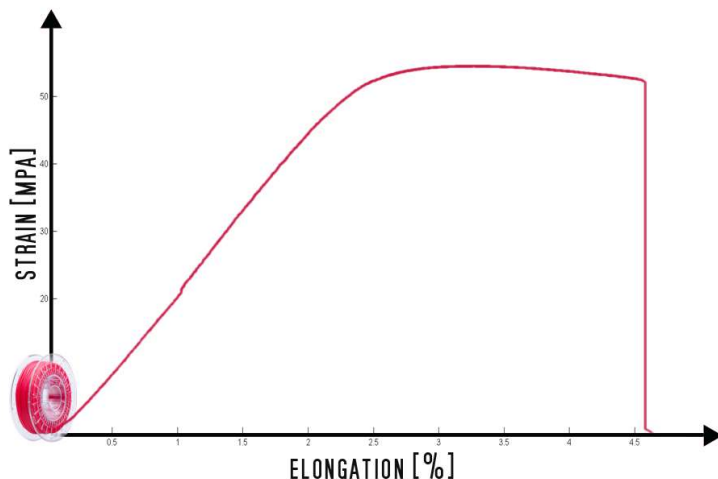


DENSITY	1.2 g/cm <sup>3</sup>	
HARDNESS IN SHORE SCALE	81 D	
SHRINKAGE	~0 [%]	
ELONGATION AT BREAK	4.83 [%]	
STRENGTH AT BREAK	528.8 [N]	
RESILIENCE FOR V-NOTCH	0.29 J/cm <sup>2</sup>	
YOUNG MODULUS	1471.93 [MPa]	
TENSIL AT BREAK	55.25 [MPa]	
PRINT TEMPERATURE	190-230 °C	
HEATED BED	NOT REQUIRE	
NOZZLE	0.2 - 0.4 [mm]	
COOLING	0-60 [%]	
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%.

The filament of Ecoline PLA series has been developed for freshmen users of FDM technology. Thanks to a low shrinkage factor the filament produced by us does not need a heated table. Only original raw materials are used to produce the filament and we use the same printing substrates for colorants as well as the raw material. Even though this is an Eco product line it guarantees high-quality

prints that will surely meet your expectations! It is a filament for home use, however the prints are characterized by repeatability and exquisite quality even for detailed models. The universal nature of our filaments allows to use them in any 3D printer that applies FDM technology. Thanks to easy coloring the filament is available in wide color selection.



### AVAILABLE COLOURS:

