

## MATERIAL DATA SHEET PLA

### 3D Filaments – PRINT WITH SMILE



DENSITY	1,24 G/CM3
TENSILE STRENGTH	63 Mpa
MELT FLOW INDEX (215°C, 5 KG)	29 CM3/10 MIN
TENSILE ELONGATION	4%
FLEXURAL MODULUS	3500 Mpa
PRINT TEMPERATURE	190 – 220 °C
HEATED BED	55 – 60 °C
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%.

**FUEL INVEST SE,**  
CZ – Vrážská 1562, CZ-15300 Praha 4  
IČ/VAT: CZ242 32 084  
Vedená u Krajského soudu v Praze, H 800



+420 773 111 113  
+420 773 111 114



[www.printwithsmile.com](http://www.printwithsmile.com)



[sales@3dfilaments.cz](mailto:sales@3dfilaments.cz)

## DETAILED PRODUCT DESCRIPTION

Our PLA filaments are made from premium and proven NatureWorks materials.  
Features of PLA filament for printing on 3D printers:

- excellent gloss, transparency and clarity
  - Perfectly impervious to scents and odors
  - Easy to shape, print and emboss
  - High resolution of printed details
  - Excellent moisture resistance
  - High rigidity
  - Low shrinkage
  - EN 13432 - European composting standard
  - filament is made from 100% renewable resources
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- length of winding 1000 g – ca. 340 m – weight of coil 250 g
  - length of winding 750 g – ca. 240 m – weight of coil 225 g
  - length of winding 500 g – ca. 165 m – weight of coil 225 g
  - length of winding 2500 g – ca. 860 m – weight of coil 600 g

