

MATERIAL DATA SHEET PLA

3D Filaments – PRINT WITH SMILE



DENSITY	1,24 G/CM3	ASTM D792
TENSILE STRENGTH AT YIELD	60 MPa	ASTM D882
TENSILE STRENGTH AT BREAK	53 MPa	ASTM D882
ELONGATION AT BREAK	5%	ASTM D882
FLEXULAR MODULUS	3800 MPa	ASTM D790
TENSILE MODULUS	3600 MPa	ASTM D882
FLEXULAR STRENGTH	83 MPa	ASTM D790
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%.

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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
- filament is oxygen-impermeable
- 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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