

THE FILAMENT PLA

MATERIAL PROPERTIES

Physical

Specific Gravity	1.24 g/cm ³	D 792
MFR	4 g/10min (190°C, 2.16kg)	D 1238

Mechanical Properties

Tensile Strength at Break	45 MPa	D 882
Tensile Yield Strength	58 MPa	D 882
Tensile Modulus	3.2 Gpa	D 882
Tensile Elongation	<5%	D 882

Thermal Properties

Heat Distortion Temperature	55°C	E 2092
Glass Transition Temperature	60°C	D3418

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	185-215°C
Nozzle temperature (High Speed)	
Bed temperature	40-50°C
Closed chamber for printing	not necessary
Dry box recommended	No
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	biodegradable, user friendly, best choice for everyday use

* 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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