

LOW GLOSS PLA

Matte PLA Filament

1.75 mm · 1 kg spool · ±0.03 mm tolerance

PLA with a low gloss matte finish that reduces visible layer lines, available in a wide range of soft colours.

- ✓ Low gloss matte finish
- ✓ Hides layer lines
- ✓ Prints at standard PLA settings
- ✓ No enclosure needed

Recommended Print Settings

Nozzle temperature	190–230 °C 220 °C recommended
Bed temperature	25–60 °C
Print speed	60–90 mm/s
Support material	PVA, PETG (as support interface)

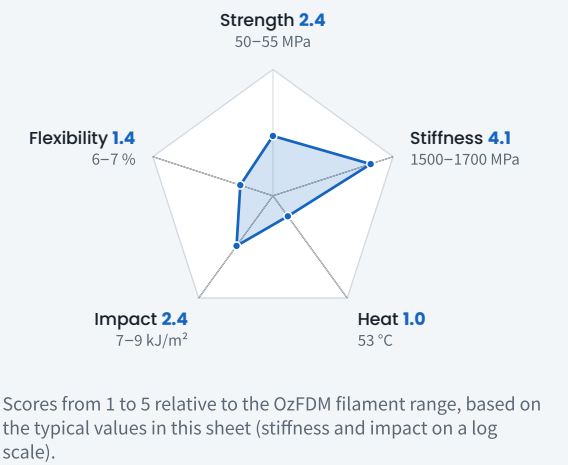
Filament Specifications

Material	Low gloss PLA
Diameter	1.75 mm
Diameter tolerance	±0.03 mm
Net filament weight	1 kg

Spool & Packaging

Empty spool weight	150 g
Spool with filament	1.15 kg
Spool outer diameter	200 mm
Hub diameter	52 mm
Spool width	65 mm
Shipping weight	1.3 kg
Box dimensions	210 × 220 × 75 mm

Property Profile



Storage & Handling

- Drying
40–45 °C for 4–6 hours in a filament dryer or food dehydrator.
- Storage
Airtight bag or container with desiccant in a cool, dark and dry area to prevent moisture absorption. For optimal long term storage we recommend drying the filament prior to sealing the filament spool in a vacuum bag with desiccant.

Mechanical Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Tensile strength	ISO 527	50–55 MPa
Elongation at break	ISO 527	6–7 %
Tensile modulus	ISO 527	1500–1700 MPa
Flexural strength	ISO 178	63–65 MPa
Impact strength	ISO 180	7–9 kJ/m ²

Physical Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ISO 1183	1.23–1.25 g/cm ³
Melt flow rate (190 °C, 2.16 kg)	ISO 1133	4–8 g/10min
Moisture absorption (23 °C, 24 h)	ISO 62	<0.5 %

Thermal Properties

PROPERTY	TEST METHOD	TYPICAL VALUE
Heat deflection temperature (0.455 MPa)	ISO 75	53 °C
Continuous use temperature	IEC 60216	50 °C

Available Colours 22

 Matte Black	 Matte White	 Matte Light Grey	 Matte Red	 Matte Grey	 Matte Green	 Matte Blue	 Matte Mango Yellow	 Matte Skin
 Matte Light Coral	 Matte Yellow	 Matte Lavender	 Matte Pink	 Matte Dusty Pink	 Matte Honeydew	 Matte Honey	 Matte Turquoise	 Matte Sea Green
 Matte Slate Blue	 Matte Tangerine	 Matte Ice Blue	 Matte Cream Yellow					

Swatches are indicative only. Colours vary between screens and with print settings.

NOTES

Values shown are typical results measured on test specimens and are provided for guidance only. They are not guaranteed specifications and should not be used as design limits. Printed part properties vary with printer, settings, print orientation and part geometry. Test your parts for suitability before use in critical applications.