

BambuLab PLA Lite

- ✓ Beginner-Friendly
- ✓ Great Value for Money
- ✓ Factory-Tuned Profiles
- ✓ RFID Smart Recognition



Bambu Lab PLA Lite

Bambu Lab PLA Lite is a cost-effective 3D printing filament that delivers excellent quality and reliable print performance. Equipped with Bambu Lab's **RFID smart chip**, it automatically identifies filament parameters and applies factory-optimized settings, making it the ideal choice for beginners and everyday printing.

Key Features

🌀 Beginner-Friendly & Great Value

PLA Lite balances premium material quality with outstanding printability. Users achieve ideal model quality without fine-tuning parameters – perfect for **newcomers** and a budget-friendly **daily go-to filament** for seasoned users.





⚙️ Seamless Ecosystem Integration

PLA Lite retains Bambu Lab's **RFID Smart Recognition**. Simply load it into an **AMS / AMS Lite**, and the printer automatically:

- Identifies filament type
- Applies factory-tuned profiles
- Streamlines setup for fast, hassle-free printing.



Bambu Lab's unified ecosystem (Web/PC/Mobile) includes the **Bambu Handy app** with built-in **MakerWorld** – access thousands of free models. All models support **filament-specific presets**; select PLA Lite and trigger **one-click printing** – easy even for beginners



✦ Matte Finish, Superior Aesthetics

Like Bambu PLA Matte, PLA Lite features a **sophisticated matte texture**. Printed models boast a refined look, premium feel, and **minimized layer visibility** – ideal for most aesthetic-focused projects.



🌱 Certified Safety & Reliability

Bambu Lab rigorously controls raw materials and production to ensure product consistency and safety. PLA Lite is **RoHS-certified (EU)** – meeting strict environmental and health standards for worry-free use.

Bambu Lab PLA Comparison

Property	PLA Lite	PLA Basic	PLA Matte
Appearance & Texture	Matte	Glossy	Matte
Nozzle Compatibility	0.2 / 0.4 / 0.6 / 0.8 mm	0.2 / 0.4 / 0.6 / 0.8 mm	0.2 / 0.4 / 0.6 / 0.8 mm
Printer Compatibility	All Bambu Lab printers	All Bambu Lab printers	All Bambu Lab printers
Default Print Temp	210 °C	220 °C	220 °C
Max Volumetric Speed	16 mm³/s	21 mm³/s	22 mm³/s
Strength (Flexural Strength - XY)	51 MPa	76 MPa	53 MPa
Stiffness (Flexural Modulus - XY)	2240 MPa	2750 MPa	2360 MPa
Toughness (Impact Strength - XY)	18.1 kJ/m²	26.6 kJ/m²	19.2 kJ/m²
Interlayer Adhesion (Impact Strength - Z)	5.5 kJ/m²	13.8 kJ/m²	6.6 kJ/m²

PLA Lite Printing Parameters & Material Properties & Color

Category	Parameter	Value / Condition
Pre-print Drying	Convection Oven	50°C, 8 hours
	X1 Series Printer Heatbed	60-70°C, 12 hours
Printing Parameters	Nozzle Temperature	190-240°C
	Heatbed Temperature	35-65°C
	Printing Speed	< 250 mm/s
	Printing/Storage Humidity	< 20% RH (sealed with desiccant)
Physical Properties	Density	1.4 g/cm ³
	Vicat Softening Temperature (VST)	61°C
	Heat Deflection Temperature (HDT)	60°C
	Melting Temperature	160°C
	Melt Flow Index (MFI)	13.8 g/10min*
Mechanical Properties	Tensile Strength	32 ± 5 MPa
	Elongation at Break	11.2 ± 3.1 %
	Flexural Strength	51 ± 3 MPa
	Flexural Modulus	2240 ± 120 MPa
	Impact Strength (Charpy)	19.0 ± 3.7 kJ/m ²

SKU
Bambu PLA Lite-Red
Bambu PLA Lite-Yellow
Bambu PLA Lite-Blue
Bambu PLA Lite-Green
Bambu PLA Lite-Orange
Bambu PLA Lite-White
Bambu PLA Lite-Black
Bambu PLA Lite-Grey
Bambu PLA Lite-Sky Blue
Bambu PLA Lite-Light Skin
Bambu PLA Lite-Orange Yellow

Option: SPL & SPL Free
Deliver: Within 2-3 weeks after Order Confirmation