

PLA

/Acrylonitrile Butadiene Styrene/



- ✓ High Impact Resistance
- ✓ High Light Transmission
- ✓ Good Toughness
- ✓ Good Fluidity



■ Material Overview

PLA is a beginner-friendly 3D printing filament aimed at hobbyists and those new to 3D printing. It is environmentally friendly, produces no unpleasant smells, and offers a smooth printing experience

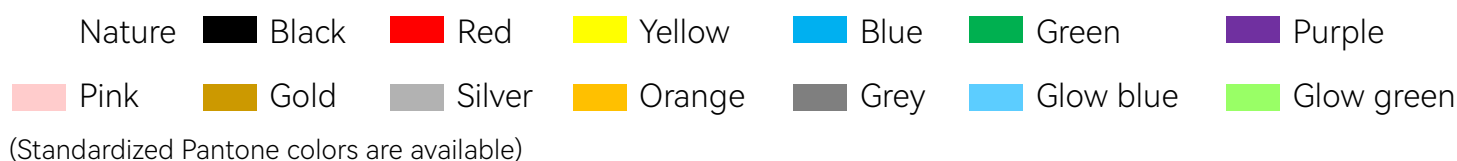


Filament Diameter	1.75mm/2.85mm/ 3.50mm
Net Weight	1KG \ Inner Box Dimension: 206*71*208mm \ G.W.: 1.35KG
Package	1KG*10PCs \ Outer Carton Dimension: 382*226*433mm \ G.W.: 14KG/CTN

■ Printing Tips

- Best printing temperature ranges from 190°C to 230°C
- Best phototype can be achieved through 50°C drying for 2-4 hours
- Print Temp: 200-210°C 50-100mm/s;
- Print Temp: 210-240°C 100-200mm/s
- Platform Temp.: Glue required if not heated, glue unrequired if heated 50-60°C
- Bubble: no bubble

■ Colors



■ Data Table

Physical Properties	Standard Value	Test Method
Density	1.17-1.24g /cm ³	ASTM D792
MFR (190°C, 2.16KG)	5-7g / 10 minutes	ASTM D1238
Water absorption (saturation, 23°C)	0.3%	ASTM D570
Mechanical Properties	Standard Value	Test Method
Tensile strength	≥60 MPa	ASTM D638
Flexural strength	≥60 MPa	ASTM D638
Tensile modulus	≥3,200 MPa	ASTM D638
Notch impact strength (IZOD, 23°C)	≥3KJ/m ²	ISO 180
Elongation at break	≥3.0%	ASTM D638
Accuracy	Standard Value	Test Method
Filament diameter	1.75mm/2.85mm/3.00mm	Q/WT 001-2014
Roundness deviation	≤0.02mm	Q/WT 001-2014