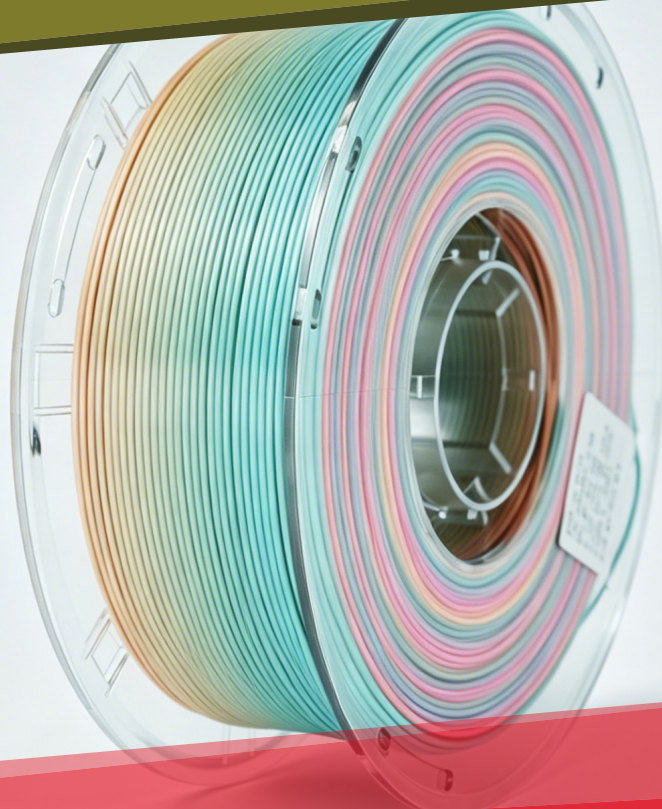


PLA Rainbow

/Acrylonitrile Butadiene Styrene/



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



■ Material Overview

Built upon the popular matte monochrome series, the PLA matte rainbow filament brings together multiple colors to form vivid, theme-based rainbow stripes without sacrificing its premium matte finish. This filament is especially well-suited for use in cultural and creative design projects, featuring a smooth surface that conceals layer lines and delivers outstanding print quality.

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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 240°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


 (Standardized pantone colors are available)

■ Data Table

Physical Properties	Standard Value	Test Method
Density	1.25-1.33g /cm ³	ASTM D792
MFR (190°C, 2.16KG)	11-16g / 10 minutes	ASTM D1238
Water absorption (saturation, 23°C)	0.3%	ASTM D570
Mechanical Properties	Standard Value	Test Method
Tensile strength	≥33MPa	ASTM D638
Flexural strength	≥33 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