

PLA

/Acrylonitrile Butadiene Styrene/



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



■ Material Overview

It features good flexibility with a hardness of 95A, prints easily, and is both strong and durable. The combination of higher hardness and good resilience makes it well-suited for applications such as insoles.



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 210°C to 250°C
- Best phototype can be achieved through 50°C drying for 2-4 hours
- Print Temp: 190-210°C 50-80mm/s; Print Temp: 210-230°C 80-120mm/s
- Platform Temp.: 50-60°C
- Bubble: no bubble
- (190°C,2.16kg) Breaking elongation: 600%

■ Colors

Nature  Black  Red  Yellow  Blue  Green  Purple 
 Pink  Gold  Silver  Orange  Grey  Glow blue  Glow green 
 (Standardized pantone colors are available)

■ Data Table

Physical Properties	Standard Value	Test Method
Density	1.20-1.24g /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	≥2,500 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/ 3.50mm	Q/WT 001-2014
Roundness deviation	≤0.02mm	Q/WT 001-2014