

ASA

/Acrylonitrile Butadiene Styrene/



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



■ Material Overview

ASA boasts superb resistance to weathering, along with great strength and toughness. Its ability to withstand UV radiation means it won't fade or degrade in outdoor environments, allowing your ideas to be perfectly brought to life.

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 230°C to 280°C
- Best phototype can be achieved through 50°C drying for 2-4 hours
- Print Temp: 205-215°C 50-100mm/s;
- Print Temp: 215-230°C 100-200mm/s
- Platform Temp.: 80-100°C
- Bubble: no bubble
- (220°C,2.16kg) * Breaking Elongation: 15%

■ Colors

■ Black (Standardized pantone colors are available)

■ Data Table

Physical Properties	Standard Value	Test Method
Density	1.14-1.17 /cm ³	ASTM D792
MFR (240°C, 2.16KG)	15.5g / 10 minutes	ASTM D1238
Water absorption (saturation, 23°C)	0.3%	ASTM D570
Mechanical Properties	Standard Value	Test Method
Tensile strength	≥37 MPa	ASTM D638
Flexural strength	≥37 MPa	ASTM D638
Tensile modulus	≥3200 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