

3DP-ASA1.75-01-BK

## ASA filament, black, 1.75 mm, 1 kg

### VERSATILE & EASY TO USE

- Polyethylene terephthalate (ASA) is a Acrylonitrile Styrene acrylate copolymer.
- Perfect combination of clarity and strength. The clarity of ASA approaches that of Acrylic and impact resistance is close to Polycarbonate
- Very low shrinkage makes printing large flat surfaces a breeze
- Easy to print with a variety of 3D printers



### Features

- Very high strength ASA filament with 1.75 mm diameter
- ASA maintains the good quality and main characteristics of ABS as an engineering plastic
- Strong weather resistance and high temperature resistance.
- Anti-static, very low shrinkage and excellent chemical resistance
- Suitable for printing on any acrylic, glass, Kapton and other printing platforms
- Can be used in a variety of 3D printers

### Packaging

Q'ty in crtn, pcs  
Crtn volume, CUM  
Crtn weight, kgs  
Individual package size LxWxH:  
Carton size LxWxH:  
Country of origin  
Barcode  
Customs code

8  
0.033  
11.74  
213x74x215 mm  
448x313x238 mm  
CN  
8716309128919  
3916909000

### Certificates



### Specifications

Material: ASA (KIBILAC PW-997S material), 1.75 mm diameter

Weight: 1 kg/spool (2.2 lbs)

Density at 240°C: 1.057 g/cm<sup>3</sup>

Printing temperature: 230-250 °C

Hot Pad: 80-120 °C

Melt Flow Index g/10 min ASTM: 16g/10 min (for test method ISO1133, 220°C x 10 Kg (98N))

Heat Deflection temperature: 92°C (for test method ASTM D-648)

Vicat Softening Temperature: 107°C (for test method ASTM D-1525, ISO 306)

Tensile Strength: 440 kg/cm<sup>2</sup> Mpa (for test method ASTM D-638( ISO527))

Flexural Strength: 780 kg/cm<sup>2</sup> Mpa (for test method ASTM D-790( ISO178))

Flexural Modulus: 2750 kg/cm<sup>2</sup> Mpa (for test method ASTM D-790( ISO178))

Rockwell Hardness: R103 (for test method ASTM D-785( ISO2039/2))

Yield Strength at 50 mm/min: 31 MPa

Impact Strength: 8.7 KJ/m<sup>2</sup>

Ensil Break: 2-3 %

Diameter: 1.75 ± 0.05 mm

Spool dimensions: 200 mm diameter x 67 mm height x 53 mm central hole

### System requirements

A 3D printer with 1.75 mm extruder of temperature around 240 °C, suitable for ASA filament