

## Technical data sheet (ASA)

### Co-Polymer KIBILAC ASA

#### Description

ASA filament (acrylonitrile styrene acrylate) perfect co-polymer is a high-strength, high heat, high impact, and UV resistant material.

#### Material Properties

Density	1.07 g/cm <sup>3</sup> ISO 1183
Chemical Name	Acrylonitrile-Styrene-Acrylate co-polymer

#### Print Settings

Nozzle temperature	235 – 260°C
Bed temperature	90 – 120°C
Active cooling fan	0%

#### Mechanical Properties

Melt Flow Index	4 ml/10 min	ISO 1133
Charpy Impact Strength	20.5 kJ/m <sup>2</sup> at 23°C	ISO 179
	10 kJ/m <sup>2</sup> at -30°C	
Tensile strength yield	Yield - 47 MPa	ISO 527
	Break - 34 MPa	
Heat Distortion Temp	78°C - 1.8 MPa Unannealed	75/A
	96°C - 1.8 MPa Annealed	
Elongation @ break	25%	ISO 527

#### Filament Specification

Diameter	1.75 mm & 2.85 mm
Tolerance	± 0.05

## Storage & Handling

During storage, the product may acquire humidity if exposed to fresh air. The humidity it absorbs depends on the temperature, humidity, and time of exposure. Therefore, it should be stored in its packaging in a cool place and kept at temperatures below 50°C. No special restrictions on storage with other products.

## Expiration Date (Shelf Life)

If stored correctly and in its original packaging, the product can be used up until 24 months after opening. If the product is stored in a package that has been exposed to humidity during an extended amount of time, it could deteriorate and lose its mechanical and physical properties, even after drying.

## Security

This product is not classified as dangerous according to the CE Regulation No 1272/2008, and therefore is not subject to special transport regulations. This product does not melt at room temperature.

Suitable for food contact	No
Suitable for Toys	No
Suitable for packaging	No

**\*\*Disclaimer:** The product and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.