



# ABS filaments for 3D printing

## Characteristics

- Technical polymer ABS
- Acrylonitril-butadiene-styrene (ABS)
- 100% diameter control
- Very good flow properties
- Filaments in 7 different colors

## Product advantages:

- Vibrant colors with high opacity
- Maximum precision in printing
- Very good heat resistance
- High impact strength
- Easy processability

AGRU filaments of the technical amorphous plastic ABS are designed for high-quality 3D printing (industrial and hobby). Thanks to the 100 % diameter control during production, high precision and sharpness of all details are ensured during the printing process. The variety of colors, the easy processability, the very good heat resistance and impact strength make AGRU filaments the ideal material for 3D printing.

## AGRU ABS FILAMENTS FOR 3D-PRINTING DELIVERY PROGRAMME

### Round wire

Coil 1 kg, diameter d in mm = 1.75

Colors: yellow (RAL 1023), red (RAL 3020), green (RAL 6026), blue (RAL 5002), black (RAL 9005), white (RAL 9010), natural

## AGRU ABS FILAMENTS FOR 3D-PRINTING MATERIAL CHARACTERISTICS

Density, g/cm <sup>3</sup>	1.03
Tensile Strength, MPa	34
Flexural Modulus, MPa	1961
Working temperature, °C	230 - 250 °C
Printing bed temperature, °C	80 - 100 °C

Material characteristics and color values are approximate and may vary depending on the processing method.



# PLA filaments for 3D printing



## Characteristics

- Biopolymer from polylactic acid (PLA)
- 100% diameter control
- Very good flow properties
- Filaments in 7 different colors

## Product advantages:

- Vibrant colors with high opacity
- Maximum precision in printing
- No heater bed for printing required
- Easy bonding and overpainting
- Food-save

AGRU filaments of biobased plastic PLA are designed for high-quality 3D printing (industrial & hobby). Thanks to the 100% diameter control during production, high precision and sharpness of detail are ensured during the printing process. The variety of colors, the pleasant smell and the food authenticity make AGRU filaments the ideal material for 3D printing.

## AGRU PLA FILAMENTS FOR 3D-PRINTING DELIVERY PROGRAMME

### Round wire

Coil 1 kg, diameter d in mm = 1.75

Colors: yellow (RAL 1018), red (RAL 3020), green (RAL 6029), blue (RAL 5002), black (RAL 9005), white (RAL 9003), natural

## AGRU PLA FILAMENTS FOR 3D-PRINTING MATERIAL CHARACTERISTICS

Density, g/cm <sup>3</sup>	1.24
Yield stress, MPa	60
Modulus of elasticity, MPa	3600
Working temperature, °C	190 - 230 °C

Material characteristics and color values are approximate and may vary depending on the processing method.

