

## MATERIAL PROPERTIES

Density	1.29 g/cm3	ASTM D792
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### Mechanical Properties

Tensile Modulus (Young)	2980 MPa	ISO 527-1
Tensile Stress	51,0 MPa	ISO 527-2
Tensile Stress at Yield	51,0 MPa	ISO 527-2
Tensile Strain (Yield)	4%	ISO 527-2
Tensile Strain (Break)	4%	ISO 527-2
Flexural Modulus	2040 MPa	ISO 178
Flexural Stress	68 MPa	ISO 178
Notched Izod Impact Strength 23C	4,7 [kJ/m2]	ISO 180/A
Notched Izod Impact Strength -30C	4,1 [kJ/m2]	ISO 180/A
Unnotched Izod Impact Strength 23C	NB	ISO 180
Unnotched Izod Impact Strength 30C	120 [kJ/m2]	ISO 180

## Thermal Properties

Glass Transition Temperature	80°C	D3418
Vicat Softening Temperature	78°C	ISO 306
Heat Distortion Temperature (66 psi 0,45 MPa)	68°	ISO 75-2/B

## PRINT SETTINGS

Nozzle temperature	230-250°C
Bed temperature	60-80°C
Active cooling fan	70- 100%
Print speed**	40-120 mm/s
Closed chamber	not
Dry box	not/optional
Ruby or hardened nozzle	not

### Features of filament

Due to its properties, one of the most frequently chosen materials in 3D printing. The filament is based on PETG material commonly used in the production of food packaging. As easy to print, odorless and safe, it has become the second most popular filament next to PLA. Available in transparent and coloured versions. Ideally suited for prints requiring greater mechanical and chemical resistance. Go Ahead, it can be used to print elements working in contact with grease or gasoline as well as for thin-walled models. The print surface is glossy.

### STORAGE

Ensuring proper storage conditions is a guarantee that the shelf life of the filament will be 2 years. The product should be stored in a dry room at room temperature (18-25°C), protected from moisture and exposure to sunlight and heat.

### DISCLAIMER

The above data are for illustrative purposes only. Print parameters may change depending on conditions such as print geometry, surroundings, etc. These values are indicative and should not be construed as binding specifications. 3D Logic sp. z o.o. does not bear any responsibility for material losses, damage to health related to the use of the material.