

## MATERIAL PROPERTIES

Destiny	1.23 g/cm <sup>3</sup>	ISO 1183
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### Mechanical Properties

Tensile Strength at Yield	45 MPa	ISO 527
Tensile Strength at Break	46 MPa	ISO 527
Tensile strain at Yield	4,5%	ISO 527-2
Tensile strain at Break	200%	ISO 527-2
Flexural Modulus	1600 MPa	ISO 178
Flexural Strength	66 MPa	ISO 178
Notched Izod Impact Strength 23C	93 [kJ/m <sup>2</sup> ]	ISO 180/A

### Thermal Properties

Vicat Softening Temperature	87°C	ISO 306
Heat Distortion Temperature 0,455MPa	76°C	ISO 75-2/B

### PRINT SETTINGS

Nozzle temperature	250-270°C
Bed temperature	60-100°C
Active cooling fan	80- 100%
Print speed	40-130 mm/s
Closed chamber	not
Dry box	not
Ruby or hardened nozzle	not

### FEATURES OF FILAMENT

Filament dedicated to projects in which increased impact strength of the material is necessary. Our PCTG not only meets this condition, but is also characterized by increased flexibility and very high mechanical strength. It is an unusual filament that is distinguished by excellent properties and at the same time is easy to print. It does not require a closed printer compartment. It is used in their projects by both advanced and novice users of 3D printers.

### 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 s.p. z o.o. does not bear any responsibility for material losses, damage to health related to the use of the material.