

MATERIAL PROPERTIES

Density	1.22 g/cm ³	D792
Hardness	93 Shore A	D2240
Hardness	40 Shore D	D2240

Mechanical Properties

Tensile Strrenght at 100% (50mm/min)	7,8 Mpa	D638
Tensile Strrenght at 200% (50mm/min)	8,8 MPa	D638
Tensile Strrenght at 300% (50mm/min)	9,8 MPa	D638
Tensile strain at Break	>400%	D638
Flexural strenght	4,4 MPa	D790
Notched Izod Impact Strenght 23C	NB	D256

Thermal Properties

Heat Distortion Temperature (66 psi 0,45 MPa)	72°C	D648
Melting Temperature	160°C	D3418

Print Settings

Nozzle temperature	205-225°C
Bed temperature	50-70°C
Active cooling fan	45-80%
Print speed	40-80 mm/s
Closed chamber	not
Dry box	not
Ruby or hardened nozzle	not

Features of filament

Thermoplastic material with a hardness of 40D on the Shore scale. Flexible Filaments had a „patch” of difficult and demanding to print. In the case of our TPC Medium nothing could be further from the truth. The materia lis pronted very easily and most importantly very Quickly, because the pronting speed reaches 45 mm/s. Filament has very good technical parameters. It is characterized by high mechanical, impact and chemical resistance. It has the ability to stretch and return to its original shape.

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 (18-250 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.