



Nylon is an engineering semicrystalline thermoplastic (polyamide) with superior thermal and mechanical behavior.

Tensile strength and wear resistance are the most important advantages of nylon in comparison with ABS, PLA and other thermoplastics. That's because it's used in application fields like engineering, automotive, industrial.

MyMat filament works correctly with all common desktop 3D printers. This filament comes vacuum-sealed with desiccant.

| MATERIAL                      | MyMat SOFT             |             |
|-------------------------------|------------------------|-------------|
| Tensile modulus of elasticity | 2600 MPa               |             |
| Tensile strength              | 40 MPa                 |             |
| Tensile strain at break       | 18 %                   |             |
| Density                       | 1,12 g/cm <sup>3</sup> |             |
| Hardness                      | 61 Shore D             |             |
| Diameter                      | 1,75 mm                | 2,85 mm     |
| Diameter tolerance            | max 0,03 mm            | max 0,05 mm |
| Printing Temperature *        | 230-260°C              |             |

\*Each desktop 3D printer has its own unique characteristics. To obtain optimal results you might need to tweak around with your temperature settings, your printing speed, layer height and nozzle diameter.