

## **No more shiny surface**

PLA MATTE is a material with a chemical composition modified so that it would be possible to obtain matte surfaces of items in the additive manufacturing process. The modifications of the filament composition allowed to achieve improved mechanical strength properties as regards the impact resistance, resilience and durability as compared to items made of the standard PLA. Further, the use of admixtures has improved not only the impact resistance and lowered the brittleness of printed items, but also allowed to achieve higher temperature resistance (ca. 75°C).

With the above-mentioned properties, the applications of PLA MATT are mostly oriented towards the presentation of major aesthetic values, i.e. industrial design prototyping for concept visualisation and demonstration of designer variants of structures. It is also used for interior design purposes and architectural models.

### **Key features:**

- improved mechanical strength
- highly efficient printing
- low shrinkage
- very good adhesion between layers
- high quality matte side surface with hardly visible layers
- higher temperature resistance (75°C) in comparison to the standard PLA
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### **Applications:**

- interior design
- educational projects
- architectural models
- industrial design prototyping for concept visualisation

### **Filament specification:**

Filament diameter: 1.75mm ± 0.05mm / 2.85mm ± 0.05mm

Density: 1.24 g/cm<sup>3</sup>

Nozzle temperature: 185-215°C

Bed temperature: 0-45°C

Printing speed: 40-110mm/s

Verify your spool option: YES