

Product description:

Discover our matte PLA filament, the ideal solution for high-quality 3D printing with a non-reflective finish. This filament not only offers the ease of use of PLA but also provides a smooth and refined appearance, perfect for display pieces, aesthetic prototypes, and artistic creations.

Storage:

Store in dry area, in a closed container away from moisture.

PRODUCT PARAMETERS

| Parameter | Value |
|-------------------------|----------|
| Filament diameter [mm] | 1.75 |
| Diameter tolerance [mm] | +/- 0,01 |
| Oval tolerance [mm] | +/- 0,01 |

| | |
|--|------------|
| Spool dimensions [mm] (ϕ / height / hole ϕ) | 200/67/55 |
| Cardboard weight [g] | 45 |
| Material | Cardboard |
| Weight with packaging [g] | - |
| Net weight [g] | 1 000 |
| Box dimensions [mm] | 203/207/70 |



RECOMMENDED PRINTING PARAMETERS

| Parameter | Value |
|--------------------------|--|
| Print temperature [°C] | 210-225 |
| Bed temperature [°C] | 60°C |
| Cooling [%] | 100 recommended for better surface quality |
| Closed chamber | Not required, but may improve print |
| Chamber temperature [°C] | 30-60 |
| Printing Speed [mm/s] | 40-100 |
| Nozzle type | - |

PHYSICAL PARAMETERS OF THE MATERIAL

| Parameter | Value | Unit | Test method |
|-----------------------|-------|---------|-------------------------------------|
| Density | 1.17 | g/cc | D792 |
| Melt flow rate | 6-8 | g/10min | D1238 |
| Vicat softening temp. | 60-70 | °C | ISO 306 VST/A/50 (50°C/h,10N) |
| Tensile modulus | 3500 | MPa | D882 |
| Tensile strength | 50-70 | MPa | D882 |
| Elongation at break | 4-6 | % | D882 |
| Impact strength | 5-8 | KJ/m2 | ISO 179 Charpy Notched @23°C (73°F) |

The values above have been measured using standard test specimens made of non-colored material at room temperature. The figures should be considered as indicative values only. Actual properties of PLA MAT parts can be affected by the printing parameters, design of the model, ambient conditions, application of the printout etc. It is essential that users test our products to determine whether they are suitable for their intended use.