

Features

- Easy to print rough surface
- Matt effect, low light refraction
- Reliable bed adhesion
- Improved printing speed compared to PLA

RS PRO 3D Printing Materials- MATTE PLA

RS Stock No.: 183-0251



RS PRO Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

MATTE PLA is an easy to print variant of the regular PLA, with an aesthetical matt effect. Its surface diffuses light to give it a matt look, and creates a rough feeling. The matt finish gives the product a more natural look. This material can be printed on most common printers and has a reliable bed adhesion to most common build plate materials

Colours:

RS PRO - MATTE PLA is available from stock in a large selection of colours

Packaging:

RS PRO - MATTE PLA is available in 500 grams packaging.

General Specifications

| | |
|-------------|----------|
| Size | 1.75mm |
| Ø tolerance | ± 0.05mm |
| Roundness | ≥ 95% |

Mechanical Specifications

| Description | Testmethod | Typical value |
|---------------------------|------------|---------------|
| Specific gravity | ISO 1183 | 1,31 g/cc |
| MFR 210°C/2,16 kg | ISO 1133 | 3,8 g/10min |
| Tensile strength at yield | ISO 527 | 101 MPa |
| Strain at break | ISO 527 | 2,7% |
| Tensile (E) modulus | ISO 527 | 9930 MPa |

Additional info:

Due to its low tendency to warp MATTE PLA can also be printed without a heated bed. If you have a heated bed the

recommended temperature is ± 35-60°C.

MATTE PLA can be used on all common desktop 3D printers. (FDM or FFF technology)

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

Thermal Properties

| Description | Testmethod | Typical value |
|--|------------|---------------|
| Printing temp. | - | 215±10°C |
| <ul style="list-style-type: none">- Bed adhesion: Glass Plate or Tape or Hairspray- Print speed: Medium- Fan speed: Medium/ high- Retraction: +-5mm- Layer Height: >0,1mm | | |