



Datasheet

RS PRO – MATTE PLA

Stock numbers:

183-0242 / 183-0243 / 183-0245 / 183-0247 / 183-0249 / 183-0250 / 183-0251 / 183-0253 / 183-0255 / 183-0258 / 183-0259 / 183-0260

EN

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.

Features:

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

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.



Filament specs.		
Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%
Physical properties		
Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,38g/cc
MFR 210°C/2,16 kg	ISO 1133	14 gr/10 min
Tensile strength at yield	ISO 527	46,6 Mpa
Strain at break	ISO 527	2,1%
Tensile modulus	ISO 527	3973 Mpa
Thermal properties		
Description	Testmethod	Typical value
Printing temp.	-	215±10°C

Additional information:

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.

- Bed adhesion: Glass Plate or Tape or Hairspray
- Print speed: Medium
- Fan speed: Medium/ high
- Retraction: +-5mm
- Layer Height: >0,1mm