Datasheet

RS PRO – SATIN PLA

Stock numbers:
183-0214 / 183-0215/ 183-0216 / 183-0217 / 183-0220 / 183-0221 / 183-0223 / 183-0224 / 183-0226 / 183-0229 / 183-0230 / 183-0232

EN

SATIN PLA is a PLA based material developed for its silky and smooth shine. It increases the perception of colour brilliance and disperses light when viewed from different angles giving a unique glossy effect.
Slower printing and low temperature improves the silky effect. SATIN PLA is suitable for all printers and prints very easily with low warping.

Features:
- Easy to print
- High light reflection
- Smooth and silky
- Low warping

Colours:
RS PRO - SATIN PLA is available from stock in a large selection of bright colours

Packaging:
RS PRO – SATIN 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	1,24g/cc
MFR 210°C/2,16 kg	ISO 1133	14 gr/10 min
Tensile strength at yield	ISO 527	64 Mpa
Strain at break	ISO 527	2,9%
Tensile modulus	ISO 527	2580 Mpa
Thermal properties		
Description	**Testmethod**	**Typical value**
Printing temp.	-	215±10°C

Additional information:
Due to its low tendency to warp SATIN PLA can also be printed without a heated bed. If you have a heated bed the recommended temperature is ± 35-60°C.
SATIN 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

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