

PLA SATIN

PLA SATIN 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 improve the silky effect. The satin surface creates beautiful reflection in printed objects.

Material features:

- High light reflection
- Smooth and silky
- Fantastic Satin look
- Deep colours

Colours:

PLA SATIN is available from stock in 9 colours.



Packaging:

PLA SATIN is available in nearly any type of packaging and labelling. Ask our team to help you customizing your product.

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,24 g/cc
MFR 210°C/2,16 kg	ISO 1133	8,2 g/10 min
Tensile strength at yield	ISO 527	71 MPa
Tensile strength at break	ISO 527	71 MPa
Elongation strain at yield	ISO 527	3,2%
Elongation strain at break	ISO 527	3,6%
E-Modulus	ISO 527	3200 MPa
Impact strength charpy method 23°C	ISO 179 1eA	2,6 kJ/m2
Vicat softening temp.	ISO 306 B50	58,2°C
Printing temp.	Internal Method	225±10°C

Additional info:

Due to its low tendency to warp PLA SATIN can also be printed without a heated bed. If you have a heated bed the recommended temperature is ± 50-60°C. PLA SATIN can be used on all common desktop FDM or FFF technology 3D printers.

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

Please note: the parameters you use for printing with PLA SATIN can change the PLA SATIN effect on printed parts. Looking into the parameters and fine-tune the profile for your printer will benefit the Satin effect of your printed part.